

| EDUCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
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| Degree/Certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Institute                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CPI / %  | Year       |
| M. Tech (Department of Management Sciences)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Indian Institute of Technology Kanpur                                                                                                                                                                                                                                                                                                                                                                                                                            | Pursuing | 2026-2028* |
| M. Tech (Fibre Science and Technology)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Indian Institute of Technology Delhi                                                                                                                                                                                                                                                                                                                                                                                                                             | 8.796    | 2021-2023  |
| B.Tech (Carpet and Textile Technology)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Indian Institute of Carpet Technology, Bhadohi                                                                                                                                                                                                                                                                                                                                                                                                                   | 82.82    | 2015-2019  |
| Higher Secondary Education (ICSE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | St. Mary's School, Bhadohi                                                                                                                                                                                                                                                                                                                                                                                                                                       | 88.4     | 2015       |
| Secondary Education (ICSE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | St. Mary's School, Bhadohi                                                                                                                                                                                                                                                                                                                                                                                                                                       | 76.83    | 2013       |
| PROJECTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| Prediction of Health Insurance Medical Cost   Machine Learning   Regression   (Self Project) <span>August 2026</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | To predict Health Insurance Medical Cost. The Model was trained utilizing the training data, employing Linear Regression.                                                                                                                                                                                                                                                                                                                                        |          |            |
| Approach                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Dataset includes 1338 data points and 7 features. Methodology involves <b>Exploratory Data Analysis</b> , Data Reprocessing, and multi collinearity check, <b>Model building</b> , <b>Model evaluation</b> , <b>Model Validation</b> .                                                                                                                                                                                                                           |          |            |
| Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Mean Square Error(MSE)= 0.1873, R Square Value: 0.77957                                                                                                                                                                                                                                                                                                                                                                                                          |          |            |
| Customer Conversion via Digital Marketing  Machine Learning   Classification  (Self Project) <span>August 2026</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | To Develop a Binary Classification Model to Predict Customer Conversion Through Digital Marketing Interactions                                                                                                                                                                                                                                                                                                                                                   |          |            |
| Approach                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Preprocessing</b> : Treated null values, detected outliers, checked multicollinearity, <b>engineered features</b> and addressed imbalance with <b>SMOTE</b> .<br><b>Models Used</b> : Logistic Regression, , Support Vector Classifier - SVC, Decision Tree, RandomForest, XGBoost with hyperparameter tuning (GridSearchCV).<br><b>Tools</b> : Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, XGBoost, SMOTE (Synthetic Minority Oversampling Technique). |          |            |
| Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Best performance achieved with XGBoost: Accuracy 0.90875 , F1 Score 0.8992                                                                                                                                                                                                                                                                                                                                                                                       |          |            |
| Work Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| Technical Support Engineer at SKAPS ADVANCED COMPOSITES PRIVATE LIMITED   (June 2023-July 2026)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| <ul style="list-style-type: none"><li><b>Production Performance Analytics &amp; OEE Dashboard using Data Analytics</b>   <b>Skills:</b> <i>Excel, Power BI, Operations Analytics, Data Visualization, Statistical Process Control</i><br/><br/>Developed an interactive dashboard tracking manufacturing KPIs (OEE, downtime, rejection rate, production efficiency, machine utilization) for management reporting.</li><li><b>Quality &amp; Process Waste Optimization through Statistical Analytics</b>   <b>Skills:</b> <i>Root Cause Analysis, Excel</i><br/><br/>Led a waste optimization initiative using Excel, Pareto analysis, and root cause methodologies, reducing manufacturing waste from the target of <b>3.75%</b> to <b>3.34%</b> while improving process efficiency and product quality.</li><li><b>Customer Purchase Analytics &amp; Demand Forecasting</b>   <b>Skills:</b> <i>Data Cleaning, Trend Analysis, Data Analytics, Procurement Planning, Supply Chain Analytics, Business Development</i><br/><br/>Analyzed annual customer purchase and sales data to identify high-demand products and buying patterns, enabling demand forecasting, procurement planning, inventory optimization, and data-driven production planning for seasonal collections.</li></ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| COURSEWORK & SKILLS <span>*in progress</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| Relevant Courses*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Introduction to Computing   Data Mining and Knowledge Discovery   Probability & Statistics   Operations Research for Management                                                                                                                                                                                                                                                                                                                                  |          |            |
| Skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Python  ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn   EXCEL   SQL*   Power BI   NOW  Datalog                                                                                                                                                                                                                                                                                                                                                  |          |            |
| Soft Skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Analytical Ability  Decision Making   Communication Skills   Leadership   Team Management  Adaptability                                                                                                                                                                                                                                                                                                                                                          |          |            |
| PATENTS AND ACHIEVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
| <ul style="list-style-type: none"><li><b>Patent Filed:</b> <i>A Surgical Simulation Device and Method for Preparation Thereof</i>. Indian Patent Application No. <b>202411013232</b>, 2024</li><li>Secured AIR 13 in GATE 2026 (TF) conducted by Indian Institute of Technology Guwahati</li><li>Awarded <b>BRONZE</b> medal in B.Tech by the then Hon'ble Governor of Uttar Pradesh, Smt. Anandiben Patel, at DR. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow (2019)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |