

| EDUCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                 |                                                     |                  |
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| YEAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QUALIFICATION                                                                                                                   | EDUCATIONAL INSTITUTION                             | PERCENTAGE/CGPA  |
| 2026 - Present                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | M.Tech   Department of Management Sciences                                                                                      | Indian Institute of Technology, Kanpur              | -                |
| 2023 - 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B.Tech   Agricultural Engineering                                                                                               | Dr.NTR College of Agricultural Engineering, Bapatla | 9.05             |
| 2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Diploma Education                                                                                                               | Polytechnic of Agricultural Engineering, Kalikiri   | 9.11             |
| 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Secondary Education                                                                                                             | Infant Jesus E.M high School, Rajampet              | 10               |
| SELF PROJECTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                 |                                                     |                  |
| <b>Health Insurance Medical Cost Prediction: Linear Regression</b> ( <a href="#">Github Link</a> ) <ul style="list-style-type: none"><li>Developed a machine learning model to predict individual health insurance medical costs using <b>Linear Regression</b>.</li><li>Performed <b>Exploratory Data Analysis (EDA)</b> and data preprocessing on a dataset containing <b>1,338 customer records</b> and <b>7 features</b>, including handling categorical variables and feature preparation.</li><li>Built and evaluated a <b>Linear Regression</b> model using train-test split and assessed its performance through <b>Mean Squared Error (MSE)</b> and <b>R<sup>2</sup> Score</b>.</li><li>Achieved a <b>Mean Squared Error (MSE) of 0.1873</b> and an <b>R<sup>2</sup> Score of 0.7796</b>, demonstrating good predictive performance on the test data.</li></ul>                                    |                                                                                                                                 |                                                     |                  |
| <b>Customer Segmentation: Clustering</b> ( <a href="#">Github Link</a> ) <ul style="list-style-type: none"><li>Developed a customer segmentation model using <b>K-Means Clustering</b> to group customers based on demographic characteristics and purchasing behavior.</li><li>Performed <b>Exploratory Data Analysis (EDA)</b> and visualized data using <b>histograms, count plots, and scatter plots</b> to identify patterns and relationships among features.</li><li>Applied the <b>Elbow Method</b> to determine the optimal number of clusters by analyzing inertia values.</li><li>Segmented customers using features such as <b>Age, Annual Income</b>, and <b>Spending Score</b>, and visualized the resulting clusters for interpretation.</li><li>Identified distinct customer groups to support <b>targeted marketing strategies</b> and improve customer relationship management.</li></ul> |                                                                                                                                 |                                                     |                  |
| COURSEWORK AND SKILLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                 |                                                     |                  |
| Relevant Courses (Ongoing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Probability & Statistics   Operations Research for Management   Data Mining and Knowledge Discovery   Introduction to Computing |                                                     |                  |
| Technical Skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Python*   ML libraries: NumPy, Pandas HTML  QGIS  MySQL*  MS Excel                                                              |                                                     |                  |
| ACHIEVEMENTS & EXTRA CURRICULAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                 |                                                     |                  |
| <ul style="list-style-type: none"><li>Secured <b>AIR 16</b> in <b>GATE 2026</b> Examination in Agricultural Engineering conducted by IIT Guwahati.</li><li>Secured <b>state 2<sup>nd</sup> Rank</b> in <b>ECET 2023</b> Examination in agricultural engineering Conducted by APSCHE</li><li>Achieved Green Belt in Taekwondo.</li><li>Participated in National Service Scheme.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                 |                                                     |                  |
| TRAINING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                 |                                                     |                  |
| <ul style="list-style-type: none"><li><b>Student Trainee (10 weeks)</b><ul style="list-style-type: none"><li>EXODRONE SYSTEMS, Hyderabad.</li></ul></li><li><b>Student Trainee (4 weeks)</b><ul style="list-style-type: none"><li>ICAR – CPCRI, Kasaragod.</li></ul></li><li><b>Student Trainee (4 weeks)</b><ul style="list-style-type: none"><li>SRFMT&amp;TI, Garladinne.</li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                 |                                                     | (Sep’25 –Nov’25) |
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