

Education

| Degree/Certificate | Institute | CPI/% | Year |
|---|--|-------|--------------|
| M. Tech (Department of Management Sciences) | Indian Institute of Technology, Kanpur | - | 2024 – 2025s |
| B. Tech (Mechanical Engineering) | JNTUH CES, TELANGANA | 7.69 | 2019 -23 |
| Higher Secondary Education | Narayana Junior Collage | 97.2% | 2019 |
| Secondary Education | Blue Bells High School | 95% | 2017 |

Supervised | Regression | Linear Regression (Self Project)

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| 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 Exploratory Data Analysis , Data Preprocessing, multi collinearity check, Model building , Model evaluation , Model Validation . |
| Result | Mean Square Error (MSE) = 0.1873 , R square value : 0.77957. |

Supervised | Classification | KNN, Decision Tress, Random Forest (Self Project)

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| Objective | Loan Approval Prediction Using Various Supervised Classification Machine Learning algorithms. |
| Approach | • Steps include Data preprocessing, Exploratory data analysis, Feature engineering, Model building. Handled class imbalance problem by upsampling positive classes using SMOTE, Creating duplicates. • Employed Decision Tree , KNN , Random Forest , SVM , Gaussian NB , Categorical NB , Logistic Regression models. |
| Result | maximum Accuracy = 88.89 (Decision Tree, K Neighbors, Random Forest). |

Coursework & Skills

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| Relevant Courses | Probability & Statistics Statistical Modelling for Business Analytics Introduction to Computing Operations research for Management |
| Online Courses | Principles of industrial engineering- NPTEL Learning Python Programming-Beginner to Master -Udemy |
| Skills | Python ML Libraries: NumPy , Pandas , Matplotlib , Scikit-learn Excel SQL |
| Soft Skills | Team Management Leadership Decision Making Communication Skills Adaptability Teamwork |

Achievements & Extracurriculars

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| • Secured AIR 34 in GATE 2024 in Engineering Science & AIR 705 in GATE 2024 in Mechanical Engineering conducted by IISC Bangalore |
| • Participated in NSS CAMPS as a volunteer in JNTUH SULTANPUR |