Rajguru Mathiyalagan

Aspiring Data Scientist

📍 Mumbai, Maharashtra

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SUMMARY

Aspiring Data Scientist with hands-on experience in predictive modeling, clustering, and statistical analysis. Proven ability to generate actionable insights from HR and marketing data, as demonstrated by my project work Seeking a data science internship to apply my skills in Python, Machine Learning, and Data Visualization to solve real-world business challenges

Projects

Employee Turnover Analysis – Machine Learning
[GitHub Repo]

- Conducted in-depth analysis of employee HR data to identify key factors driving attrition.
- Performed EDA, correlation, and clustering to uncover patterns in workforce behavior.
- Built predictive models (Random Forest, Logistic Regression) and evaluated performance achieved ~90% accuracy and 0.90 ROC-AUC.
- Generated actionable insights and recommendations to support employee retention strategies.
- **Skills Applied:** EDA, Feature Engineering, Classification Models, Model Evaluation, Hyperparameter Tuning, SMOTE, Random Forest, Data Visualization

Marketing Campaign Analysis – Customer Analytics
[GitHub Repo]

- Analyzed customer demographics and purchase behavior to evaluate campaign performance.
- Performed data cleaning, preprocessing, and EDA to identify response patterns and customer segments.
- Delivered data-driven recommendations to improve targeting efficiency and campaign effectiveness.
- **Skills Applied:** Data Cleaning, EDA, Feature Engineering, Data Visualization, Customer Segmentation, Statistical Analysis

TECHNICAL SKILLS

Languages & Libraries:

Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

Data Skills:

Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Data Visualization

Machine Learning:

Regression & Classification, Decision Trees, Random Forest, K-Means Clustering, Model Evaluation, Hyperparameter Tuning

Tools:

Jupyter Notebook, GitHub, Tableau (Beginner)

Mathematics & Statistics:

Probability, Linear Algebra, Hypothesis Testing, Statistical Analysis

EDUCATION

Bachelor of Science (B.Sc.) Information Technology   📅 2023 - 2026
Mumbai University

D.G. Ruparel College of Arts, Science and Commerce, Current CGPA: 8.60/10

CERTIFICATION

Introduction to Programming Using Python   📅 2024
Simplilearn

Data Science with Python   📅 2025
Simplilearn

SKILLS

Communication   Analytical Thinking

Problem Solving   Adaptability

Attention to detail   Time Management