

Rachit Dani



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[LinkedIn](#)



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[Portfolio](#)



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Education

Mumbai University

Bachelor of Technology, Computer Science and Engineering

Mumbai, MH

2019 - 2023

Technical Skills

Languages and Tools : Python, SQL(MySQL), C++,Tableau, Excel, Git, Github

Libraries & Frameworks : Numpy, Pandas, Matplotlib, Seaborn, PySpark, Scikit-Learn, Beautiful Soup, Selenium

Data Science & Machine Learning : Data Collection, Data Preprocessing, Data Visualization, Data Warehousing, Linear and Logistic regression, KNN, Decision Tree, Random Forest, SVM, K Means, CNN

Mathematics for ML & DL : Statistics, Probability, Matrices

Experience

Data Scientist | Ineuron.ai - (Jun 2023 - Mar 2024)

- **Flipkart Review Scraper:** Leveraging web scraping to enhance product development and sales by analyzing customer sentiments.
- **Credit Card Fault Detection:** Crafted algorithms to enhance security and minimize financial losses through advanced anomaly detection techniques and achieved **81.85% accuracy score** using **Random Forest** model.
- Both Projects encompassed data collection, preprocessing, model training, hyperparameter tuning and evaluation enhancing product sales and security in diverse applications

Data Analysis Internship | Trainity - (Mar 2023 - May 2023)

- Conducted EDA on diverse datasets and delivering data driven insights
- Utilized SQL queries to address problem statements and extract insights from databases, enhancing data-driven decision-making and operational efficiency.

Projects

Book Recommender System 

- Developed and implemented an end-to-end **content-based** book recommender system using a Kaggle dataset of 271,360 books. Led extensive data preprocessing and feature engineering to transform data into a sparse matrix.
- Applied content based filtering techniques and **Nearest Neighbor** algorithm to evaluate book similarities, delivering personalized recommendations of the top 8 books.
- Utilized Python libraries such as NumPy, Pandas, Scikit-Learn and Streamlit to optimize system functionality and enhance the user interface, ensuring an intuitive user experience.

Diamond Price Prediction 

- Developed a Diamond price prediction model using Kaggle dataset, performing comprehensive data preprocessing, feature engineering, and resolving data quality issues such as duplicates and missing values.
- Through rigorous Hyperparameter tuning and Grid Search CV the **Decision Tree** model to achieve exceptional performance, demonstrating a **96.8%** accuracy as assessed by the **R2 score**.

Achievements & Certifications

- Earned the SQL mastery Badge - [Leetcode](#)
- Achieved the Professional Specialization Certification in Data Analytics - [Google](#)
- Completed Data Structures & Algorithms in Python Certification - [GFG](#)
- Published a custom dataset created for project on [IEEE data port](#)
- Published my Data Science learnings on [GitHub](#)