Rangani Krushank Jayeshbhai

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|| LINKEDIN|| GITHUB||

EDUCATION

B.E. in Computer Engineering

Gujarat technological university

Aug '22 - July '26

Gujarat , India

Technical Proficiencies

Languages : Python, Java , SQL(MySql) ,C, C++

Web / Mobile Technologies : HTML , CSS, Java, Python

Data Analytics / Science : Statistics , PowerBi , Pandas, Numpy, Seaborn, Matplotlib

Database: MySQL, PhpMyAdmin

Tools: Visual Studio, Jupyter Notebook, Github, Photoshop, Canva

Experience

Data Analyst:

Analyzed complex datasets, generated actionable insights, and produced comprehensive reports to inform strategic business decisions. Utilized statistical methods and data visualization tools to drive organizational success and efficiency.

Machine Learning Engineer:

Applied machine learning techniques to develop predictive models, optimize algorithms, and improve data quality. Collaborated with cross-functional teams to deploy solutions, resulting in enhanced product performance and customer satisfaction.

PROJECTS

Data Analysis Projects :

Netflix Data Analysis:

Performed comprehensive data analysis on Netflix datasets to extract actionable insights on user behavior, content preferences, and streaming trends. Performed the Data manipulation, Data cleaning, Data analysis using different libraries.

Maharashtra Election Data Analysis:

Performed data analysis on Maharashtra election 2019, to identify or make analysis on the voters who voted to which party, party with maximum votes city or district-wise. I have plotted the various kinds of graphs in this data analysis project.

Amazon Sales Data analysis:

Analyzed Amazon sales data to uncover trends, customer preferences, and market opportunities. Employed statistical techniques and data visualization tools to derive actionable insights for optimizing sales strategies and enhancing product offerings. Contributed to informed decision-making processes, driving revenue growth and customer satisfaction.

Google Play Store Data Analysis:

Conducted data analysis on Google Play Store datasets to identify trends in app downloads, user ratings, and market preferences. Utilized statistical analysis and data visualization techniques to extract actionable insights for app developers and stakeholders.

Machine Learning Projects :

Email spam-ham classification:

Implemented a robust email spam-ham classifier using various machine learning algorithms as Random Forest. This involved preprocessing email data, feature extraction with techniques like TF-IDF. Achieved a high accuracy rate in distinguishing between spam and legitimate emails and model evaluation techniques.

Laptop Price Prediction:

Developed a machine learning model for predicting laptop prices using multiple regression algorithms. Conducted data preprocessing, feature engineering, and model evaluation to ensure high prediction accuracy. Utilized Python libraries such as pandas, scikit-learn, and matplotlib to handle data analysis, model training, and visualization. Successfully improved model performance through hyperparameter tuning and cross-validation techniques.

Movie Recommendation System:

Developed a robust movie recommendation system leveraging collaborative filtering, content-based filtering, and hybrid models. Utilized algorithms such as matrix factorization, k-nearest neighbors. Implemented data preprocessing, feature engineering, and model evaluation to ensure high accuracy and relevance of recommendations.

Job Recommendation System:

Developed a Job Recommendation System leveraging machine learning algorithms to match candidates with relevant job opportunities based on their skills, experience, and preferences. Successfully deployed the system, resulting in increased user satisfaction and improved job matching efficiency.

Handwritten Digit Recognition:

Proficient in Handwritten Digit Recognition utilizing machine learning algorithms, adept at designing and implementing models such as Convolutional Neural Networks (CNNs) and Support Vector Machines (SVMs). Skilled in preprocessing techniques, feature extraction, and model evaluation to achieve high accuracy in digit classification tasks. Experienced in Python programming and popular libraries including TensorFlow, Keras, and scikit-learn.

ChatBot for University enquiry:

Developed a machine learning-based ChatBot for University enquiries. Integrated with university databases to deliver accurate information on programs, admissions, scholarships, and campus facilities.

Python Projects:

Rock Paper Scissor Game:

Created a classic Rock Paper Scissors game using Python, implementing fundamental programming concepts such as conditional statements and loops. Demonstrated proficiency in Python programming and problem-solving skills by developing a functional game application from scratch. Strengthened understanding of game logic and user interaction through hands-on project development.

MCQ Generator:

Designed and implemented an MCQ (Multiple Choice Question) Generator using Python, leveraging data processing and algorithmic techniques to dynamically create questions and answer choices from predefined content or user input.

E-Commerce Management System:

Designed and implemented an E-Commerce Management System using Python, encompassing core functionalities such as inventory management, order processing, and customer interaction.