Saurabh Vora

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Bachelor of Engineering
Lalbhai Dalpatbhai College of Engineering, Ahmedabad

Education

•Diploma of Engineering in Mechanical Engineering *2018-22*
Government Polytechnic Ahmedabad CGPA: 7.41

•Bachelor of Engineering in Information Technology *2022-25*
Lalbhai Dalpatbhai College of Engineering, Ahmedabad CGPA: 7.65

Personal Projects

•End To End Student Performance Prediction

Predicting student performance based on past test scores.implemented Machine learning algorithm

- The primary goal of the project is to predict student performance using their past test scores, enabling early intervention and personalized learning strategies.
- This project follows an end-to-end workflow, starting from data collection and cleaning, feature engineering, model training, and performance evaluation. The final model aims to provide accurate predictions of student performance based on historical test scores.
- Technology Used: Python, Scikit-learn for Machine Learning algorithm, Numpy and Pandas, For UI Flask

•Bus Station Passenger Count Prediction

Predict Passenger Count using LSTM and Random Forest. it is time series Dataset.

- Developed a model to predict passenger count for the next 24 hours using two algorithms: Long Short-Term Memory (LSTM) for capturing temporal patterns and Random Forest for robust feature selection and prediction. The combination of these methods ensures both accuracy in time-series forecasting and generalization in decision-making.
- Technology Used: Python, Tensorflow, Keras, Git and Github, Google-Colab

•Sentiment Analysis

Performing sentiment analysis using a Simple RNN to classify text data into positive or negative sentiments.

- Developed a sentiment analysis model using a Simple RNN to classify text data into positive or negative sentiments. The project includes data preprocessing, feature extraction, and model training to capture sequential patterns in the text. The user interface (UI) is built using Streamlit for interactive model input and visualization, and the model is deployed on Streamlit Cloud for easy accessibility and real-time predictions.
- Technology Used : Python, Tensorflow, Keras, StreamLit, Streamlit Cloud.

Experience

•Data Science Intern *June - July 2024*
Unfied Mentor Online

- Developed interactive dashboards using Power BI to analyze sales trends and employee turnover patterns. Leveraged Python (pandas, numpy) for data cleaning and preprocessing, and applied machine learning techniques to predict attrition rates. Generated actionable insights for business growth and provided recommendations to improve employee retention.
- Proficient in Power BI and Python

Technical Skills and Interests

Languages : Python, Javascript, HTML + CSS
Libraries : Python Libraries, ReactJs
Web Dev Tools: Steamlit, Anaconda, Google colab, VScode, Git, Github
Frameworks: ReactJs , Flask, NLTK, Tensorflow
Cloud/Databases: PostgreSQL, AWS Bedrock, SQLlite
Areas of Interest: Data Science, Gen AI, Data Analysis
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Project Management