Prakhar Mishra

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About Me

Computer Science student with skills in software development and data analysis. Passionate about coding, problem-solving, and working on innovative projects.

EDUCATION

Vellore Institute of Technology **2021 – 2025**
B.Tech - Computer Science and Engineering with AI and ML - ***CGPA - 7.86*** *Amaravati, Andhra Pradesh*

Bhartiyam International School **2020 – 2021**
CBSE - XII - ***Percentage - 76.2%*** *Rudrapur,Uttarakhand*

Beersheba Senior Secondary School **2018 – 2019**
CBSE - X - ***Percentage - 94.2%*** *Haldwani, Uttarakhand*

TECHNICAL SKILLS

Languages: Java, Python
Technologies/Frameworks: Numpy,Pandas,Matplotlib,Seaborn
Cloud/ Databases/ Developer Tools: MySQL, VS Code, Git, GitHub, IntelliJ ,Eclipse
Course Work: Data Structures Algorithms, Database management system, Operating System, System Design
Certifications: Google Cloud Computing foundations
Personal Skills: Willing to expand My Knowledge and acquire new Skills , Work Independently when required

PROJECTS

CUSTOMER BANK SATISFACTION ANALYSIS

- Built a CNN-based binary classification model using TensorFlow and Keras
- Implemented Conv1D layers for feature extraction and processing.
- Employed techniques such as Batch Normalization and Dropout for model optimization.
- Calculated the confusion matrix and accuracy score to assess model performance.

CAR SELLING PRICE PREDICTION

- Utilized the Random Forest Regressor and Linear Regression models for predicting car selling prices.
- Plotted a correlation heatmap to visualize the relationships between different features and the target variable.
- Random Forest Regressor achieved a training accuracy of approximately 99.07% and a testing accuracy of 95.54%
- Linear Regression achieved a training accuracy of 71% and a testing accuracy of 67%.

IMDB SENTIMENT ANALYSIS

- Utilized an LSTM (Long Short-Term Memory) layer with 128 units for sequence processing.
- Added a Dense layer with one unit and sigmoid activation for binary classification.
- Trained the model for 10 epochs using a batch size of 128.
- Plotted the model's training and validation accuracy and loss across epochs to visualize the learning curve.
- Achieved a validation accuracy of 83% after 10 epochs.

Coding Profile

- **Leetcode: S**olved **200+** Problems
- **GeeksForGeeks: S**olved **200+** Problems