PRAGYA BHARTI

ML / AI FRESHER

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SKILLS

- **Programming**: Python,java
- **ML/DL:** Regression,Classification,Recommendation System,LSTM,CNN
- **Libraries:** Numpy,Pandas,Matplotlib,Seaborn,Scikit-learn,Tensorflow
- **Tools & Platform:** Git,Github,Flask,React,Render
- **Databases:** MySQL
- **Core Concepts: Data cleaning,EDA,feature engineering,Model Evaluation,Deployment**

PROJECTS

Book Recommendation System | Python, Flask, Machine Learning

Github:https://github.com/Pragya26-techie/Book-Recommendation-System.git

- Built a **content-based recommendation** system using cosine similarity on book metadata
- Cleaned and processed **7000 records,** reducing noised data by **~30%**
- Developed a **Flask web application** to serve model predictions via user input
- Generated **Top-5 personalized book recommendations** per request
- Deployed the application on **Render,** achieving **100% successful API response** during testing

Stock Price Prediction | Python,LSTM,Deep Learning

Github:https://github.com/Pragya26-techie/stock-price-prediction-lstm-flask.git

- Built a **time-series forecasting model using LSTM** to predict stock closing prices
- Trained the model on **8+ years of historical stock data**,including open,close,high,low and volume
- Achieved ~78% prediction accuracy on test data
- Visualized **actual vs predicted prices** to evaluate model performance
- Developed a **Flask web application** to serve model predictions via user input

Potato Disease Classification | CNN, TensorFlow/Keras,React,Flask

Github: https://github.com/Pragya26-techie/CNN_model-Potato_disease_classification.git

- Built a CNN-based image classification model to identify **multiple potato leaf diseases**
- Trained on **3,000+ labeled images** with data augmentation techniques
- Achieved **~92% training accuracy** and **~88% validation accuracy**
- Developed a **Flask REST API** to serve model predictions
- Built a **React-based frontend** allowing users to upload leaf images and view prediction results
- Reduced overfitiing by **~20%** using dropout and batch normalization

EDUCATION

Bachelor in Computer Application
TMBU, Bhagalpur, Bihar   **Graduated: 2024**

CERTIFICATIONS

- Earned Hackerank Gold Badge