Niharika Pawar
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Projects

Stock Analysis Application| ***Python, Pandas, Matplotlib*** **Jun 2024 – Jul 2024**

- Developed Python-based Stock Analysis App: Implemented data analysis features for stock performance insights.
- Integrated Pandas Library: Managed data manipulation and analysis efficiently.
- Visualized Stock Trends: Used Matplotlib for clear and insightful visual representations of stock data.
- Applied Data-Driven Decisions: Leveraged statistical techniques to guide investment strategies.
- Conducted Data Validation: Ensured data accuracy and reliability with robust error handling and validations.

Sentiment Analysis on Amazon Reviews | ***Python, NLTK, ML Model, Transformer*** **Mar 2024– May 2024**

- Built Sentiment Analysis Models: Developed sentiment analysis using VADER and RoBERTa in Python.
- Utilized NLTK and Hugging Face Pipeline: Executed text preprocessing and sentiment prediction tasks.
- Performed Exploratory Data Analysis (EDA): Examined data distribution and key features.
- Conducted Model Comparison: Assessed and contrasted sentiment scores between VADER and RoBERTa.
- Generated Sentiment Visualizations: Designed plots to illustrate sentiment distribution.

Snake and Ladder Game | Java, OOP, GUI **Jun 2024– Jul 2024**

- Developed Java-based Snake and Ladder Game: Implemented game logic using object-oriented principles.
- Applied Java Swing for GUI: Created an interactive graphical interface for a seamless user experience.
- Integrated Randomization: Used Java's random utilities to simulate dice rolls and player movements.
- Modular Design: Ensured maintainability and scalability through a well-structured, modular architecture.
- Implemented Exception Handling: Managed edge cases and potential errors for smooth gameplay.

Training

Six Week Summer Training in GeeksForGeeks (DSA) **Jun 2024 – Jul 2024**

- Advanced Problem-Solving: Developed strong skills in algorithm optimization and efficient code implementation.
- Competitive Programming: Gained hands-on experience through coding challenges and competitions.
- Algorithmic Mastery: Applied advanced programming techniques to solve complex problems.

Contributor – Google Nibbler Project **Oct 2024 – Jan 2025**

- Worked on advance prompt engineering and fine –tuning NLP models for improved performance of "Gemini".
- Developed AI-driven solution, focusing on data preprocessing and user-centric applications.
- Collaborated with a team to design innovative solutions leveraging AI & machine learning applications.

Certificates

Android Development **Sep 2024**
Coursera

Data Structure and Algorithm **Jul 2024**
GeeksForGeeks

Technical Skills

Languages: Python Core Java, Kotlin, C(Basic), C++, SQL
Data Manipulation : Pandas, Numpy, Machine Learning Algorithms: Linear/ Logistic Regression, Decision Trees, Random Forests, SVM, KNN, Clustering, Neural Networks
ML Libraries: Scikit- learn, Tensor Flow, Keras, Pytorch.
Data Visualization: Matplotlib, Seaborn, Plotly.

Education

Lovely Professional University Punjab **2022 – 2026**
Computer Science and Engineering *Jalandhar, Punjab*

Gyandeep Higher Secondary **2021 – 2022**
12th with Science *Amarwara, MP*

Brigth Career Higher School **2019 – 2020**
10th with Science *Amarwara, MP*