PRIYAM MANNA

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Summary

Aspiring software engineer with a solid foundation in programming, machine learning, and data analysis. Experienced in building full-stack applications and predictive models using popular technologies like Python, Java, Flask, and Scikit-learn. Passionate about solving problems and constantly learning.

Technical Skills

- **Programming Languages:** Python, SQL, Java

- **Data Engineering:** ETL development, data modeling

- **Version Control:** Git, GitHub

- **Soft Skills:** Problem-solving, teamwork, communication

Projects

Content-Based Movie Recommendation System:

- **Libraries:** Python, Flask, Streamlit, Pandas, Scikit-learn

- Developed a content-based filtering system to recommend movies based on user preferences using the TMDB 5000 Movie Dataset. Deployed the model as a Streamlit web application, providing real-time recommendations with an intuitive user interface. Used Scikit-learn for vectorization and similarity computations, and Flask for backend services.

Stock Price Prediction with K-Nearest Neighbors (KNN):

- **Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn

- Built a machine learning model to predict stock price movements using KNN, based on historical price data. Engineered features like Open-Close and High-Low price differences and visualized the results using Matplotlib. Achieved significant accuracy in price prediction.

Education

Budge Budge Institute of Technology   2021 − 2025
B.Tech in Computer Science and Engineering   CGPA: 8.35/10

Relevant Coursework

- Machine Learning • Database Management System • Computing for AI/ML
- Linear Algebra • Computer Architecture • C • Computer Networks

Certifications

- A Crash Course in Data Science - Coursera

- Unsupervised Machine Learning - Scaler

- Supervised Machine Learning: Regression and Classification - Coursera