Akshat Jain

7597355622 akshatjain122004@gmail.com Linkedin Github akshat122004.vercel.app

Technical Skills

Languages: Python,C++, Java, SQL

Frameworks/Tools: Cisco Packet Tracer, VS Code, IntelliJ Idea, Replit, Jupyter Notebook, PostgreSQL, Excel with AI

Data & ML Concepts: Linear Algebra, Regression Analysis, Machine Learning, NumPy, Pandas, Scikit-learn (Machine Learning Library)

Other: DSA, Open Source Collaboration

Education

College of Technology and Engineering, Udaipur **2023 – 2027**

B.Tech in AI and Data Science Engineering ***GPA : 7.3 (Absolute)***

Coursework included Data Structures, SQL, Artificial Intelligence, Supervised Learning, and StatisticalModelling, emphasizing both theoretical understanding and practical implementation.

Gained hands-on experience with Python libraries (NumPy, Scikit-learn) and applied concepts from Networking, CART algorithms, and Ordinary Differential Equations to solve real-world analytical problems.

Projects

Movie Recommender System **Python | TF-IDF Vectorization | Numpy and Pandas | Jupyter**

- Developed a Movie Recommender System using content-based and collaborative filtering techniques to suggestpersonalized movie recommendations.
- Processed and analyzed large movie datasets using Python, Pandas, NumPy, and Scikit-learn for data cleaning, feature extraction, and model building.
- Implemented TF-IDF vectorization and cosine similarity to measure relationships between movies based ondescriptions, genres, and keywords.

Movie Ticket Booking System **C | AVL Tree | Doubly Linked List | VS Code**

- Developed functionalities for creating, searching, adding, deleting shows, and booking seats with real-time seat availability visualization .
- Built a menu-driven console interface providing an interactive experience for users to view seat layouts, confirmbookings, and manage movie shows.

Epilepsy Seizure Detection **Python | Data Preprocessing | Feature Scaling | Jupyter**

- Developed an Epilepsy Seizure Detection system using EEG signals and machine learning, processing 11,500 readings from 500 subjects to classify seizure vs. non-seizure events .
- Built a reusable prediction pipeline to evaluate real EEG inputs, enabling automated seizure detection for potential real-time medical monitoring applications.

Certifications

Coursera Supervised ML course

Volunteering

Serving as an NSS Volunteer, contributing to community welfare and social awareness initiatives while developing teamwork and leadership skills.