


Malaika Junaid

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Education

Ajman University, Bachelor's of Science in Data Analytics (January 2024 - Present)

→ Programming for Data Analytics, Data Mining, Computer Networks, Linear Algebra

COMSATS University Islamabad, Bachelor's of Science in Artificial Intelligence (September 2022 - Present)

→ Introduction to AI, Programming for AI, Data Analysis, Data Visualization, Data Structures

→ Cumulative GPA: 3.70*/4.0

Skills

Languages: Python, Java, C/C++, HTML/CSS

Visualization: Tableau, Power BI, Excel Charts, Jupyter Notebook

Frameworks: WordPress

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, NetBeans Apache, Android Studio

Libraries: pandas, NumPy, Matplotlib, scikit-learn, plotly

Organizational Skills: Project Management, Public Speaking, Teamwork, Decision making.

Projects

Retail Transaction Data Analysis (Jan. 2024 – May. 2024)

Skills: Python, Data Mining

Collected and cleaned a retail transaction dataset, ensuring data accuracy.

Conducted exploratory data analysis (EDA) to uncover trends and patterns.

Applied Apriori algorithm for association rule mining and RFM analysis for customer segmentation.

Presented insights showcasing data-driven decision-making's impact on marketing.

Social Network Analysis (Sep. 2023 – Jan. 2024)

Skills: C++, Graphs, DSA

Collected data on peer connections within a university class and developed a weighted, directed graph.

Analyzed shortest paths using Dijkstra's algorithm to reveal connectivity patterns.

Identified influential nodes and examined collaboration and information flow within the network.

Tic-Tac-Toe with Advanced AI (Nov. 2023)

Skills: Python, Artificial Intelligence

Developed an advanced Tic-Tac-Toe game with a 4x4 grid using MCTS and Alpha-Beta Pruning.

Implemented options for playing against the computer or another player.

Showcased proficiency in Python programming, game development, and AI.

Certifications

→ Data Mining Methods (Coursera)

→ Introduction to Data Analysis (Coursera)

→ AI Fundamentals (Data Camp)

→ Understanding Machine Learning (Data Camp)