Abdullah Awan

Data Scientist

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Summary

As an enthusiastic and dedicated undergraduate student studying data science, I am passionate about programming and committed to solving complex problems. I have experience developing a variety of projects, including games, machine learning models, and inventory management systems. I am eager to enhance my skills and gain valuable industry experience in a fast-paced and dynamic environment, where I can collaborate with experienced professionals and contribute to cutting-edge projects. Whether working in data analysis, artificial intelligence, or another area of technology, I am excited to apply my knowledge and skills to drive meaningful outcomes and create innovative solutions.

Projects

- **Space Invaders Game (C++):** Developed a game in C++ with a focus on efficient and readable code. Created a visually appealing front-end design with graphics and animations to enhance the user experience. Tested the game extensively to ensure that it is free of bugs and works correctly on different operating systems.
- **Snakes and Apples Game (Assembly Language):** Created a game using assembly language. Programmed the game logic and user interface to create a fun and challenging game for players. Used low-level programming techniques to optimize the code for performance
- **Hangman Game (Assembly Language):** Developed a game using assembly language. Implemented different levels of difficulty and user interface to enhance the user experience.
- **4-Bit Processor (Digital Logic Design):** Designed and implemented a 4-bit processor using Logic Works software. Created a detailed schematic diagram of the processor, including all logical gates, registers, and arithmetic circuits. Simulated the processor using Logic Works to ensure that it works correctly and efficiently. Optimized the design to reduce the number of logic gates and improve performance.
- **Machine Learning Project (Data Science):** Applied machine learning models (both regression and classification) to a real-world dataset. Conducted data cleaning, feature engineering, and model evaluation. Used Python libraries such as NumPy, Pandas, Scikit-Learn, and Matplotlib to perform the analysis and visualize the results. Wrote a comprehensive report outlining the methodology, results, and recommendations.
- **Inventory Management System (Python, SQL):** Designed and developed an inventory management system using Python and SQL. Implemented features such as product management, order management, and inventory tracking to help streamline business operations.
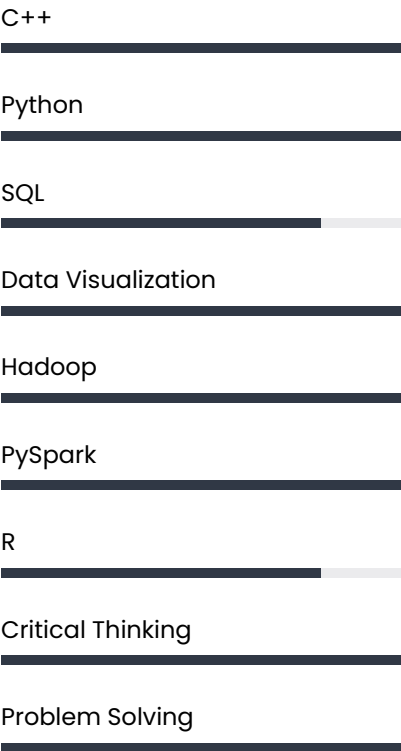
Education

Bachelor of Science in Data Science 2021 - 2025
FAST National University of Computer and Emerging Sciences

Personal details

LinkedIn
linkedin.com/in/abdullahawann

Github
github.com/abdullahawann

Skills

C++

Python

SQL

Data Visualization

Hadoop

PySpark

R

Critical Thinking

Problem Solving

Languages

English

Urdu

Interests

- Chess
- Marketing