

Shaqran Hussain

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SUMMARY

Software Engineering student skilled in Java, Python, and SQL with hands-on experience in data analytics. Proficient in transforming data into actionable insights through visualization and analysis. Passionate about building efficient software systems and applying data-driven solutions to real-world problems.

EDUCATION

Mehran University of Engineering and Technology

Expected Graduation: 2027

- Bachelor of Software Engineering

SKILLS

- Programming Languages:** Java, Python
- Web Technologies:** HTML, CSS
- Databases:** MySQL, SQLite, PostgreSQL
- Data Analytics:** Data Cleaning, Data Visualization, Statistical Analysis, Excel, Power BI
- Tools & Platforms:** Git, VS Code, Eclipse, IntelliJ IDEA, PyCharm, Jupyter Notebook, Google Colab
- Soft Skills:** Problem Solving, Team Collaboration, Communication, Critical Thinking

PROJECTS

Data Analysis Dashboard

September 2025

- Designed an interactive dashboard to analyze and visualize datasets using Power BI and Python libraries (Pandas, Matplotlib).
- Performed data cleaning, transformation, and statistical analysis to extract meaningful insights.
- Highlighted trends and patterns to support data-driven decision-making.

Smart Battery Optimizer

January 2025

- Created a system performance and battery optimization tool to monitor system usage and automate power-saving operations.
- Integrated Python scripts for background monitoring, performance reporting, and process optimization.
- Converted the project into an executable (EXE) for user convenience and easy deployment.

CPU Scheduling Simulator

July 2024

- Developed a Java-based GUI simulator to visualize CPU scheduling algorithms such as FCFS, Round Robin, and Priority Scheduling using Swing components.
- Implemented burst time, waiting time, and turnaround time calculations for multiple processes.
- Designed a user-friendly interface with job tracking and real-time progress visualization.

CERTIFICATION

Google Advanced Data Analytics Professional Certificate – Google

August 2025

- Gained expertise in Python, EDA, and predictive modeling for data-driven decision-making.

Google Data Analytics Professional Certificate – Google

June 2024

- Developed strong skills in SQL, Excel, and Tableau for data cleaning, visualization, and analysis.