

Hussain Ali

Data Engineer | AI/ML Intern

Computer Science student at Quaid-i-Azam University, Islamabad, with a strong foundation in Python, SQL, and database management. Currently learning data engineering with a focus on building data pipelines and deriving insights from real-world datasets. Quick learner with solid problem-solving skills and a drive to grow in modern data technologies.

mianhussain702@gmail.com

+923044491021

💡 islamabad, Pakistan

EDUCATION

Bs Computer Science Quaid-i-Azam University Islamabad

08/2022 - Present

Islamabad

PERSONAL PROJECTS

Gift Registry System – Java (09/2024 - 02/2025)

- Designed and developed a desktop-based gift registry system using Java and OOP principles.
- Included features for adding items, managing user accounts, and handling gift lists with GUI (if applicable).

CS Department(QAU) Website – HTML, CSS, JavaScript (03/2025 - 07/2025)

- Built a responsive and multi-page website for the Computer Science department.
- Used HTML/CSS for layout and design; implemented interactive features using JavaScript.

Mini ETL Pipeline – Python (10/2024 - 04/2025)

- Developed a simple ETL (Extract, Transform, Load) pipeline to process CSV data.
- sed Python for data extraction, transformation (cleaning and filtering), and loading into a structured format.
- Focused on basic data pipeline concepts relevant to data engineering.

Global GDP ETL Pipeline with Python (05/2025 - 05/2025)

- Built an ETL pipeline in Python to extract global GDP data from Wikipedia, transform it into billions (USD), and load it into both a CSV file and a SQLite database.
- Utilized BeautifulSoup for web scraping, Pandas for data transformation, and **SQLite** for efficient local data storage and querying.

Titanic Survival Prediction – Python, Neural Network (01/2025 - 01/2025)

- Built a neural network model using Python to predict passenger survival from Titanic dataset.
- Preprocessed data using Pandas and NumPy; trained the model using a simple feedforward neural network.

WORK EXPERIENCE

Database Development Intern

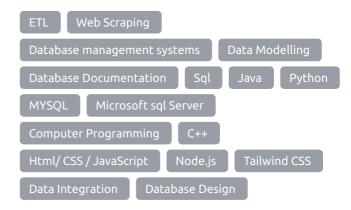
Fauii Foundation

Rawalpindi

07/2023 - 09/2023 Achievements/Tasks

- Designed and implemented a functional university database system using SQL and PL/SQL.
- Assisted in optimizing data storage and retrieval processes through efficient schema design and gueries.
- Collaborated with team members to troubleshoot issues and ensure data integrity and consistency.

SKILLS



ACHIEVEMENTS

LeetCode sql Badge (07/2024 - 09/2024) 🗗

Earned LeetCode SQL Badge by solving a series of SQL problems focused on real-world data queries.

CERTIFICATES

Microsoft SQL server Database Design (05/2024 - 08/2024)

Concepts of Data Warehousing (07/2024 - 08/2024)

Introduction To Data Engineering (08/2024 - 12/2024)

Hackathon participant (COMSATS)

Python For Data Science AI And Machine Learning (12/2024 - 02/2025)

Python Project For Data Engineering (02/2025 - 05/2025)

SQL Advanced HackerRank Skill Certification Test (10/2024 - 10/2024)

LANGUAGES

Native or Bilingual Proficiency

Professional Working Proficiency

INTERESTS

Data Engineering and Big Data Tools (e.g., Kafka, Spark, Airflow)

Machine Learning and Neural Networks