



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.

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📍 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.
- Used 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

Fauji Foundation

07/2023 - 09/2023

Rawalpindi

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 queries.
- Collaborated with team members to troubleshoot issues and ensure data integrity and consistency.

SKILLS

ETL

Web Scraping

Database management systems

Data Modelling

Database Documentation

Sql

Java

Python

MYSQL

Microsoft sql Server

Computer Programming

C++

Html/ CSS / JavaScript

Node.js

Tailwind CSS

Data Integration

Database Design

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

Urdu

Native or Bilingual Proficiency

English

Professional Working Proficiency

INTERESTS

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

Machine Learning and Neural Networks