

# Muhammad Asad Riaz

Aspiring Data Scientist & AI Developer

A 6th-semester Computer Science student specializing in Data Science, Machine Learning, and Agentic AI. Passionate about solving real-world efficiency problems through automation, full-stack web development, and AI-powered tools.

## CONTACT

+923058008888

[asadriazmerani@gmail.com](mailto:asadriazmerani@gmail.com)

Layyah, Punjab, Pakistan 31200

## LINKEDIN & GITHUB

[linkedin.com/in/m-asad-riaz-mrerror313/](https://www.linkedin.com/in/m-asad-riaz-mrerror313/)

<https://github.com/mrerror313coder>

## EDUCATION

BS CS (6th Semester) University of Layyah

## CERTIFICATES

Google Advanced Data Analytics Specialization [Certificate Link](#)

Google AI Essentials Specialization [Certificate Link](#)

Gemini Certified University Student [Certificate Link](#)

Python 101 for Data Science [Certificate Link](#)

SOFTEC'26 AI Hackathon Participation

DevFest AmplifAI Lahore 2025 Participation

## LANGUAGES

English ★★★★★

Urdu ★★★★★

## ACHIEVEMENTS

AWS SBG Core Team Member @University Of Layyah [View Credential](#)

CCRIPT Campus Lead @University Of Layyah (01/02/26 to 31/03/26) [View Credential](#)

## SKILLS

**Programming:** Python, SQL, C++, HTML, CSS, JavaScript

**Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Streamlit, FastAPI, Neo4j

**Tech:** Data Science, Machine Learning, ETL, Data Analysis, Data Visualization, EDA

**Deployment:** AWS, Google Cloud Platform

**Tools:** Visual Studio Code, PyCharm, Anaconda Navigator, Jupyter Notebook/Lab

**Versioning:** GitHub

**Document & Presentation:** MS Word/PowerPoint/Excel, Canva

## PROJECTS

### Project 1:

**Name:** OmicsDB [Project Link](#)

**AIM:** It is a hybrid data platform designed to bridge external genomic data sources (via the AlphaGenome API) with local analytical environments. The system automates the real-time acquisition, staging, ETL (Extract, Transform, Load) processing, and visualization of genomic sequences and metadata.

**Tech Stack:** Python (91%), FastAPI (backend), React (frontend), MongoDB Atlas (data lake), PostgreSQL (analytical database), Neo4j (graph relationships), Pandas, Streamlit, and Docker

### Project 2:

**Name:** Zamanat [Project Link](#)

**AIM:** A web-based digital escrow system built to address the trust gap in Pakistan's informal service economy. It is designed to ensure secure payments, fair dispute resolution, and transparent transactions between customers and service providers.

**Tech Stack:** Node.js, Express.js, MongoDB, JavaScript (Vanilla), HTML5, CSS3, JWT + bcryptjs, Multer, Helmet, and CORS

### Project 3:

**Name:** Zynex [Project Link](#)

**AIM:** An intelligent email scanner that analyzes opportunity-related emails, extracts relevant application details, ranks them according to a specific student's profile (evaluating fit, urgency, effort, and impact), and outputs a practical checklist of next steps.

**Tech Stack:** Python (99.8%), FastAPI (backend), Streamlit (UI), and integrations with LLM providers (OpenAI, Gemini, Groq APIs)

### Project 4:

**Name:** Student Project Management System (SPMS) [Project Link](#)

**AIM:** A comprehensive web-based platform for managing student projects, assignments, and file submissions. It provides tailored interfaces and features for students, teachers, and administrators.

**Tech Stack:** Python (Django 5.0+), HTML, CSS, Bootstrap 5, Crispy Forms, SQLite (default) / PostgreSQL, and Font Awesome Icons.