

MUHAMMAD ABDULLAH

+92 308 4316564 · mabdullah6829@gmail.com · Lahore, Pakistan
linkedin.com/in/muhammad-abdullah-pucit · github.com/mabdullah6829

SUMMARY

Data Engineer with a strong foundation in Computer Science and backend engineering. Specialized in building scalable ETL/ELT data pipelines, data lakehouse architectures, and automated workflow orchestration. Proficient in structuring data frameworks using Apache Airflow, AWS cloud services, and Medallion Architecture layers to deliver analytics-ready datasets.

EDUCATION

Punjab University College of Information Technology (PUCIT)	Lahore, Pakistan
Bachelor of Science in Computer Science	2022 - 2026

SKILLS

Data Engineering	ETL/ELT Pipelines, Medallion Architecture (Bronze/Silver/Gold), Data Quality Management
Cloud & Orchestration	Apache Airflow, AWS (S3, Glue, Athena), Docker, Workflow Automation
Databases & Analytics	MySQL, PostgreSQL, Firebase, Data Modeling, Schema Design, Pandas, Distributed Systems
Languages & Frameworks	Python, C# .NET Core, SQL, Flask, RESTful APIs, JavaScript
Tools & Version Control	Git, GitHub, Linux, Postman

EXPERIENCE

Data Engineer	Apr 2026 - Present
Mavericks United	Lahore, Pakistan

- Architect and maintain scalable ETL/ELT data pipelines utilizing **Python** and **Apache Airflow** for automated data ingestion and transformation.
- Leverage **AWS services (S3, Glue, Athena)** to implement robust cloud-native data lake and data warehousing solutions.
- Apply the **Medallion Architecture** framework to systematically isolate and clean raw data across bronze, silver, and gold analytical layers.
- Integrate and ingest unstructured and structured data variants from diverse internal and external business platforms, ensuring strict data governance and validation.

Software Engineering Intern	May 2025 - Feb 2026
Mavericks United	Lahore, Pakistan

- Spearheaded the database architecture and end-to-end backend development of an enterprise CRM using Flask, React, and **MySQL**.
- Formulated a robust hierarchical task distribution module backed by system-wide Role-Based Access Control (RBAC).
- Optimized complex relational database queries and engineered secure **RESTful APIs** to elevate real-time analytics dashboards.

PROJECTS

- High-Volume Data Acquisition & Automation Pipeline.** Engineered targeted web scraping architectures across 30+ enterprise environments using **Selenium** and **BeautifulSoup**. Integrated automated cron-scheduling jobs to aggregate raw data payloads directly into centralized data systems, applying text transformations via LLM API processing.

- **Enterprise Identity & Access Portal.** Developed a secure backend system emphasizing data segregation and RBAC management. Implemented continuous commit models via Git to coordinate stable operational logic deployments across team repositories.
- **Real-Time Storage and Sync Architecture.** Explored mobile-to-cloud integration models leveraging **Firebase** and **Kotlin** to maintain real-time data synchronization thresholds, focusing on cloud data persistence patterns.

COURSES & CERTIFICATIONS

- **Programming for Everybody (Python)** – University of Michigan (Coursera)
- **Python for Data Science** – Coursera
- **Crafting Code with GitHub** – Bit by Git workshop, by GDSC