Musa Bin Arfah

0309-2753032 | musaarfah2@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Punjab University College of Information and Technology (PUCIT) — Lahore
BS Data Science — *Expected June 2026*

Government College University (GCU) — Lahore
Intermediate — *Aug. 2019 – Sep 2021*

EXPERIENCE

Crypto Data Analyst — June 2024 – Jan 2025
DATXOC — *Remote*
- Analyzed historical and live crypto trading data using Python (pandas, seaborn, matplotlib) to identify price patterns, token performance trends, and market volatility.
- Built and evaluated machine learning models (Linear Regression, Decision Trees, RAG-based recommendation models) to predict token price movements.
- Created Power BI dashboards for visualizing token performance metrics, exchange rates, and user engagement KPIs

Artificial Intelligence Intern — May 2024 – Aug 2024
DataVerse Labs — *Lahore*
- Assisted in building a movie recommendation system using a large Letterboxd dataset by implementing cosine similarity and content-based filtering techniques in Python.
- Handled data preprocessing tasks including cleaning, merging, and transforming metadata for improved model performance.
- Worked with public APIs to fetch movie information and integrated it into the project pipeline for enriched feature sets.

PROJECTS

Subjectify App | *Python, Flask, BeautifulSoup, FASTAPI, GoogleAPICient*
- Personalized Real Time Roadmap Develpment App.

Breast Cancer Prediction App | *Python, numpy, pandas, scikit-learn, Streamlit*
- Streamlit app using ML to classify diagnostic data.

Student Portal Web App | *Java Servlets, MySQL, Apache Tomcat*
- Complete CRUD based Web app with user auth and DB integration.

Data Warehouse and ETL Design | *SQL, Microsoft SQL Server Management Studio, Visual Studio*
- Built a dimensional model and ETL pipeline.

Research Paper on The Impact of Short-Format Content | *Python, scikit-learn, pandas*
- Applied ML to survey data for behavioural trend analysis and wrote a complete paper to record the results of findings.

Hospital Dashboard | *Power BI, DAX*
- Visualised KPIs via interactive reports.

APK Reverse Engineering (Ethical) | *Apktool, Metasploit, Burp Suite*
- Injected payload into APK to demonstrate app vulnerability.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL (MySQL), JavaScript, HTML/CSS, MATLAB
Frameworks: Flask, FastAPI, Scikit-learn
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, Microsoft SQL Server Management Studio
Libraries: Pandas, Numpy, BeautifulSoup, Selenium, Streamlit, Matplotlib, Seaborn