

MUHAMMAD ALI ABID

AI Engineer · Data Scientist · Full-Stack Developer

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PROFESSIONAL SUMMARY

I build things that turn raw data into decisions. As an AI Engineer, Data Scientist, and Full-Stack Developer, I've shipped production systems for government agencies and US-based clients — from a national trade intelligence platform for Pakistan Bureau of Statistics to real-time healthcare tracking for ModivCare. I work across the full stack: training models, designing databases, building APIs, and delivering dashboards that non-technical stakeholders can actually use. My business analyst background means I ask “what decision does this enable?” before writing a single line of code — which is why my work tends to land with stakeholders, not just developers.

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, SQL, R, HTML, CSS, JS
AI / ML / NLP	OpenAI API, LangChain, Hugging Face, BERT, Scikit-learn, ARMA/ARIMA, LDA Topic Modeling, CNN, RNN, Agentic Coding, Tensorflow, Regularization, Optimizers,
Data	Pandas, NumPy, Statsmodels, SciPy, Matplotlib, Seaborn, Power BI, DAX, Excel, Google Sheets
Backend	FastAPI, Flask, Next.js, REST APIs
Frontend	React, Next.js, Streamlit, Gradio
Databases	PostgreSQL, PostGIS, MySQL, MongoDB, Redis, AWS RDS
Cloud/DevOps	AWS (EC2, ECS), DigitalOcean, Docker, Vercel, Netlify
Geospatial	QGIS, Leaflet, PostGIS
Automation Tools	n8n, Git, Jupyter, pgAdmin4

PROFESSIONAL EXPERIENCE

Data Scientist / Data Engineering Intern

Jan 2026 – Feb 2026

Pakistan Bureau of Statistics (PBS) · Islamabad, Pakistan | [View Report](#)

- Engineered the Government Trade Intelligence Portal processing national-scale import/export customs data for policy planning and statistical analysis.
- Designed optimized PostgreSQL schemas and GIS visualizations (QGIS + Leaflet) for trade routes, port throughput, and regional commodity flows.
- Built hierarchical Power BI dashboards with drill-down capability used by statistical officers for evidence-based government reporting.

Business Data Analyst

May 2025 – Aug 2025

Ambient Cloud · Islamabad, Pakistan | [View Report](#)

- Built AI-enabled cloud product features and n8n automation workflows, cutting manual pipeline processing time across enterprise client data sources.
- Designed and maintained ETL pipelines for ingestion, transformation, and loading across heterogeneous data sources.
- Created BI dashboards and analytical reports for internal KPI monitoring and client-facing business intelligence.

KEY PROJECTS

Trade Intelligence Portal | [Live](#) | [Report](#)

PostgreSQL · QGIS · Leaflet · Power BI · TypeScript

- Full-stack national trade data platform for PBS — geospatial analytics, commodity flow dashboards, and policy-grade reporting from raw customs data.
- Integrated hierarchical drill-down analytics enabling policymakers to interrogate trade agreements and tariff decisions with live data.

ModivCare Trip Tracker Pro | [🔗 Live](#)

TypeScript · REST APIs · Analytics Dashboard

- Real-time healthcare transportation tracker for US-based ModivCare — reduced missed patient appointments through live trip monitoring.
- Operational dashboards helping dispatch teams cut wait times and optimise routing for patients with mobility challenges.

Layer Forge AI | [🔗 Live](#)

TypeScript · OpenAI API · LangChain

- LLM-powered content generation app with custom prompt engineering — built for non-technical users to harness AI without a learning curve.

Stock Return Forecasting System | [🔗 Live](#)

Python · ARMA(1,1) · Statsmodels · Vercel

- Econometric forecasting tool giving retail investors access to institutional-grade ARMA models via a live Vercel web application.

AI Minbar — Islamic Super App | [🔗 Live](#)

TypeScript · Next.js · Full-Stack

- Comprehensive Islamic resource app featuring Qur'an, Hadith search, prayer times, and masjid locator — serving a global multilingual audience.

EDUCATION

B.S. Business Data Analytics — FinTech Major

2023 – 2027

COMSATS University Islamabad · GPA: 3.19 / 4.00

CERTIFICATIONS

- IBM Certified Data Engineer [🔗 View Certificate](#)
- Meta Certified Frontend Developer [🔗 View Certificate](#)
- Google Certified Business Analyst [🔗 View Certificate](#)
- Data Analytics & Business Intelligence — DSTP [🔗 View Certificate](#)
- Freelancing Professional Development — DSTP [🔗 View Certificate](#)

SCAN TO CONNECT



LinkedIn



GitHub



Portfolio