

Shaheer Aslam

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PROFILE

MSc Applied AI student at London South Bank University with experience across machine learning, data engineering, and full-stack development. Deployed a live customer churn prediction model using XGBoost and SHAP, developed an AI-driven outreach pipeline with GPT-4o and LangChain, and improved web tooling during a software engineering internship at a major telecom. Looking for a part-time AI engineering role focused on building practical automation and workflow systems for real business problems.

EDUCATION

London South Bank University – MSc Applied Artificial Intelligence **London**
Ghulam Ishaq Khan Institute of Engineering Science – Bachelor of Data Science **Pakistan**

EXPERIENCE

Jazz – Software Engineering Intern **Pakistan** | Jun 2024 – Aug 2024

- Rebuilt a diagnostic tool for telecom engineers in a team of 3, migrating to microservices and reducing system complexity by **40%**.
- Integrated core telecom APIs for real-time site monitoring, cutting map load times by **60%**.
- Built an employee goals management module in **ServiceNow** to automate internal HR workflows.

Centro – Full-Stack Developer | Freelance Project **Remote** | Jun 2023 – Dec 2024

- Developed four cross-platform mobile apps with a small team, serving commuters and advertising clients.
- Built the Flutter frontend and Firebase backend, improving user retention by 20% and app performance by 35%.

PROJECTS

LeadFlow

- Designed an end-to-end AI automation system for lead discovery, tailored email generation, and follow-up scheduling via GPT-4o and LangChain.
- Generates 5–10 leads per run with personalised emails in 1–2 seconds, sent via Gmail API with a human review queue before sending.

ChurnRadar ([Deployed](#))

- Built a churn prediction system using XGBoost, achieving **84.5%** accuracy across 7,043 telecom records.
- Integrated SHAP explainability to surface the key features driving each customer's churn risk score.
- Served real-time predictions via FastAPI and a React/TypeScript dashboard in under **3** seconds.

Quant Mania

- Engineered a real-time crypto data pipeline using Kafka, Flink, and FastAPI, reducing data latency to under 1 second.
- Applied ML models for pattern, anomaly, and volatility detection, increasing insight accuracy by **34%**.
- Deployed a scalable, fully monitored stack (Prometheus, Grafana, Loki), improving system reliability by **55%**.

SKILLS

Programming Languages: Python, Typescript, JavaScript, Dart, C/C++, SQL, HTML, CSS, Bash.

Frameworks & Tools: React, Next.js, Node.js, Express.js, Redux, Vite, Flask, Flutter, Redis, REST APIs, ServiceNow.

Machine Learning & Data Analytics: TensorFlow, Scikit-learn, PyTorch, NumPy, Pandas, Tableau, Power BI, XGBoost, LangChain.

Cloud & DevOps: Docker, Firebase, Git, GitHub, Linux, CI/CD, MySQL, MongoDB.