

Sheharyar Ishfaq

MSc Computer Science student at Sorbonne Université, seeking a 6-month end-of-studies internship from 15 February 2027
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EDUCATION

Sorbonne Université — Pierre & Marie Curie Campus

Paris, France

MSc Computer Science — DIGIT International Program

Sept 2025 – Sept 2027

- **M1:** Machine Learning, Cloud Computing, System Design & Modeling (**ranked 1st of 17**), and a LIP6 research project graded 86/100 (**3rd of 12**).
- **M2 coursework (2026–27):** massively parallel GPU programming (**CUDA**), parallelism & accelerators for clusters (SIMD, multithreading, **MPI**), deep learning for vision (**PyTorch**), network data analysis.

University of Engineering & Technology (UET), Taxila

Pakistan

BSc Computer Science

2024

EXPERIENCE

Lead Software Engineer

Oct 2024 – Aug 2026

Mavera — AI Market-Intelligence Platform

Remote — Los Angeles, United States

- Built the market-intelligence web platform end to end, then **led the developers** extending it, and co-built its desktop **Mave Agent** in **Rust** (Tauri) with tool-calling agents, **RAG** and streaming.
- Developed **MCP** servers, Trigger.dev pipelines and **Python** (OpenCV) services that analyze meetings and videos and simulate synthetic audiences and focus groups, and shipped auth & billing (Auth0, Stripe).
- Deployed and operated containerized services on **AWS** (**Kubernetes** on EC2, RDS, S3) via CI/CD as the platform scaled past **\$100K MRR** and **120+ companies**, incl. Coca-Cola, Morningstar, S&P Global & Spotify.

Full-Stack Developer

Jun 2024 – Oct 2024

Aveksana — Research-Framing Platform for Theses & Proposals

Remote — Tampere, Finland

- Developed the platform's new **document editor** for drafting research proposals and theses.
- Grew the platform from **7K to 10K+ users** by building new researcher-facing features (React, Node.js), launching a freemium subscription model and redesigning the UI/UX, which lifted retention **30%**.

Full-Stack Developer

Feb 2023 – May 2024

Gourmet Gulf LLC — Restaurant Group (*YO! Sushi, California Pizza Kitchen*)

Remote — Dubai, UAE

- Engineered an operations platform used across **16 restaurants & 3 cloud kitchens** in 3 countries, automating order, invoicing & price-contract workflows (Redis / BullMQ jobs) and cutting manual work **40%+**.

Software Engineer (Freelance, Part-Time)

Feb 2022 – Sep 2025

Self-Employed — *Fiverr Level 2 Seller*

Remote

- Delivered **165+ projects** (250 orders) for international clients at a **4.9/5 rating**, incl. a voice-AI receptionist, a **RAG** chatbot platform (NestJS, Python, Qdrant) and a chat-to-video tool on AWS Lambda.

PROJECTS

Bina.ai — 1st Place, Mistral LLM × Law Hackathon | TypeScript, Mistral API

[GitHub](https://github.com/sheharyarishfaq/bina.ai) | Oct 2026

- Won in a team of 5 by turning CNIL data-breach sanctions into funding briefs for litigation funders.
- Built the backend and its frontend integration, an **Express** API on **Mistral** models (OCR, embeddings, chat) that extracts each decision into a structured case and checks every quote word for word against the source.

AIWrappers — No-Code AI App Builder | Next.js, PostgreSQL, Vercel AI SDK, Stripe

[Demo Video](https://demo.aiwrappers.com) | 2025

- Built a **multi-tenant SaaS** for a client, launched to paying customers, where users describe an AI tool in plain language and an **AI agent** generates it as a web app on its own domain.
- Designed one inference layer across **39 text, image, video & audio models** from 5 providers, with **AES-256 encrypted** API keys, per-app rate limiting and Stripe Connect payouts.

Caracat & Caracal — Internet Measurement Tools | Rust, C++

[LIP6](https://github.com/sheharyarishfaq/caracat) | Spring 2026

- Analyzed *Caracat*, an open-source **Rust** traceroute-probing engine, against its C++ predecessor and validated identical behavior across **ICMP, UDP, IPv4 & IPv6**, supervised by [Timur Friedman](https://github.com/timurfr) (*Dioptra*).

BirdCLEF+ 2026 — Acoustic Species Identification | Python, scikit-learn

[GitHub](https://github.com/sheharyarishfaq/birdclef) | Spring 2026

- Built an ML pipeline classifying **206 species** from **35.5K+ recordings**, engineering audio features (librosa) and benchmarking 5 models to reach **0.922 macro ROC-AUC** (5-fold CV).

TECHNICAL SKILLS

Languages: Python, TypeScript / JavaScript, Rust, SQL, C / C++

AI / ML: LLM agents, RAG, MCP, OpenAI & Anthropic APIs, LangChain, Qdrant, scikit-learn, TensorFlow / Keras

Backend & Databases: Node.js, NestJS, REST APIs, WebSockets, PostgreSQL, MongoDB, Redis, BullMQ, Celery

Cloud / DevOps: AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, CI/CD (GitHub Actions), Linux

Frontend & Tools: React, Next.js, Tauri, AI coding agents (Claude Code, Cursor, Codex)

Spoken Languages: English (fluent), Urdu (native), French (beginner)