HARRIS HASSAN SYED

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PROFESSIONAL SUMMARY

Data Science graduate from FAST-NUCES focused on **AI Engineering** and **Cloud Modernization**. Experienced in building scalable full-stack applications, distributed recommendation systems, and managing cloud infrastructure. Proven ability to process large-scale datasets and deploy **Deep Learning** models for real-time production.

TECHNICAL SKILLS

AI, ML & Data Science: **Python, SQL, PyTorch, scikit-learn, Pinecone, MongoDB, MySQL, NLP, Computer Vision.**
Software & Cloud Engineering: **Azure, AWS, Next.js, React, Node.js, Flask, Git, Ubuntu/Linux, Tailwind CSS, ZMQ, C++.**

PROFESSIONAL EXPERIENCE

AI Engineer August 2026 – Present
Dafinitiq AI *Islamabad, Pakistan*
- Lead engineer on an **AI lead-gen SaaS**: follow-up pipelines, **SEO/GEO/AEO** agents, and a multi-platform **content engine**.
- Streamlined a **fitness and wellness app**'s member experience and **admin dashboard**, cutting friction for users and admins.

Product Manager March 2026 – August 2026
Quantum Edge *Islamabad, Pakistan*
- Led end-to-end product development for a **handyman services marketplace**, from concept through full-scale build and launch.
- Directed a cross-functional engineering team, running **agile** sprints, hiring, and resource planning to hit delivery milestones on schedule.
- Owned **system architecture**, **QA**, and technical documentation, keeping infrastructure aligned with product goals.

Cloud Modernization System Intern July 2025 – September 2025
Systems Limited (VSI Cloud Modernization Services) *Islamabad, Pakistan*
- Managed **Azure** infrastructure using **Ubuntu/Windows VMs**, **NSGs**, and **RBAC** for secure environment control.
- Configured **Entra ID** and **Application Gateway** routing; secured connectivity via **VNet-to-VNet VPN** and orchestrated networking with **Bastion**, **VNet peering**, and **Load Balancing**.
- Automated **Azure Key Vault** integration with Nginx via Python, replacing manual secret handling with dynamic, secure retrieval.

AI Intern June 2024 – August 2024
National Aerospace Science and Technology Park (NASTP) *Rawalpindi, Pakistan*
- Built a **Geospatial** project using **QGIS** and **ZMQ** for high-speed, real-time mapping data processing.
- Engineered **Anomaly Detection** systems using **Temporal Convolutional Networks (TCN)** with **PyTorch/Keras** for aerospace sensor and geospatial data.

Software Engineer AI Intern July 2023 – September 2023
Zigron *Islamabad, Pakistan*
- Integrated **Machine Learning** models into a real-time healthcare monitoring platform, translating ML research into production-ready code within an agile workflow.

PROJECTS

Recruvia: AI-Powered Recruitment SaaS Built an AI-powered recruitment platform (**Next.js**, **Python**, **Supabase**) automating hiring from resume screening to reporting. Engineered the **Voice AI** Interview Portal end-to-end – a three-phase, **RAG**-powered interviewer (**Pinecone**, **Mistral AI**) using the **Web Speech API** for real-time speech recognition/synthesis with adaptive topic-pivot logic. Built a browser-based proctoring engine (**TensorFlow.js**: BlazeFace, COCO-SSD) flagging 7 integrity-violation types with automated risk verdicts, and led **UI/UX** design across all three portals.

Spotify 2.0: Distributed Recommendation System. Architected an **ETL Pipeline** processing a **105GB audio dataset**, extracting **MFCC features** via **Librosa** into **MongoDB**. Built a distributed model with **PySpark MLlib** using **Min-Max Scaling** and **KMeans Clustering**, evaluated via **Silhouette Scores**. Deployed a **Flask** app for real-time, high-dimensional similarity recommendations.

MH Vendor Management System. Designed a full-stack system with a **normalized database** via **ERD modeling**. MySQL backend features optimized **Stored Procedures** for CRUD and **Triggers** for audit trails. Frontend built with **Node.js**, **Express**, and **Bootstrap**, using **D3.js/SVG** for workflow visualizations.

EDUCATION

National University of Computer & Emerging Sciences (FAST NUCES) *Islamabad, Pakistan*
Bachelor of Science in Data Science Aug 2022 – June 2026
Dean's List Holder