Taha S Awan

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PROFESSIONAL SUMMARY

FAST NUCES graduate and gold medalist — AI/ML Engineer and Full-Stack Developer with hands-on experience building AI-powered applications, machine learning systems, RAG workflows, and scalable backends. Skilled in Python, OpenAI/Gemini integrations, computer vision, and data-driven product development.

EXPERIENCE

Freelance AI/ML Product Developer **June 2025 – Present**
Independent · AI-powered products (incl. PrepXpert)

- Designed and shipped AI-powered product platforms — practice workflows, authentication, REST APIs, and PostgreSQL-backed features.
- Integrated OpenAI-assisted flows and progress/weakness tracking to turn usage data into actionable product improvements.

Freelance Frontend Developer **June 2026**
Client project · Sweden (RE:WEAVE)

- Delivered a multi-page Next.js / React / TypeScript marketing and investor website to client requirements on a two-day turnaround.
- Translated brand and content briefs into responsive, production-ready pages and deployed for stakeholder review.

EDUCATION

FAST NUCES Islamabad
BS Computer Science (Robotics Specialization) — Graduate · Gold Medal for Academic Excellence

TECHNICAL SKILLS

Programming: Python, SQL, JavaScript, TypeScript

AI & ML: Scikit-learn, Supervised Learning, Ensemble Methods, SMOTE, YOLOv8, RAG, Prompt Engineering, Association Rules (Apriori)

LLMs & APIs: OpenAI APIs, Google Gemini, Generative AI, Multi-Agent Orchestration

Data & Viz: Microsoft Excel, Power BI, Tableau, Pandas, NumPy, Matplotlib, Seaborn, EDA

Big Data: Apache Spark, Apache Kafka, Hadoop, Apache Storm

Web & Backend: Next.js, React, React Native, Expo, Node.js, REST APIs

Databases & Tools: PostgreSQL, Prisma, NeonDB, Git, Jupyter, Vercel, JWT, OAuth

PROJECTS

PrepXpert — AI-Powered Test Preparation Platform

- Built Pakistan's AI test prep platform (MDCAT & entry tests) with Next.js, PostgreSQL, OpenAI-assisted practice, auth, and weakness tracking.

LegalConnect — AI-Powered Legal Consultation Platform

- Full-stack legal consultation app with OpenAI intake, role-based dashboards, REST APIs, PostgreSQL, and OAuth authentication.

JobGPT — AI Job Search & Application Copilot

- Chat-first job search with resume-aware match scoring, RAG-based resume tailoring, and synced application pipeline dashboards.

InsightFlow AI — Autonomous Report-to-Action Agent

- Mobile executive copilot using multi-agent Gemini to turn reports into prioritized decisions, alerts, and scorecards.

Employee Turnover Analytics — HR Retention ML

- End-to-end attrition ML pipeline with SMOTE and ensemble comparison; Gradient Boosting at 91.7% recall and 0.979 AUC for HR risk zones.

CERTIFICATIONS

- AI Engineer — Masters Program (Simplilearn)
- Machine Learning using Python (Simplilearn)
- Applied Data Science with Python (Simplilearn)
- Generative AI, Prompt Engineering & ChatGPT (Simplilearn)
- Advanced Statistics for Data Science (Simplilearn)
- Python 101 for Data Science (IBM · Simplilearn)
- Programming Essentials (Simplilearn)

ACHIEVEMENTS

- Gold Medalist — BS Computer Science, FAST NUCES Islamabad
- Gold Medalist — IGCSE North Region (9A*) · Silver Medalist — A Levels
- Built and shipped multiple independent AI-powered product platforms