

ZARA SHAHID

Faisalabad, Pakistan

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SUMMARY

Full Stack & AI Software Engineer with 2× international hackathon wins, a 3.83 GPA, and hands-on experience shipping production-grade Next.js/FastAPI systems and LLM-powered features during a US-based remote internship. Consistent competitive programmer with 400+ LeetCode problems solved and back-to-back Harvard CS50x global #1 rankings. Seeking internship or contract roles to build, scale, and own impactful full-stack and AI-driven products.

ACHIEVEMENTS

International Hackathon Champion (2× Winner) 2025 – 2026

- **Webmind Innovation Hackathon:** Won 1st Place with **VisiAI** – AI website visual auditor synthesising Gemini Vision API + Lighthouse metrics into a proprietary Visual Health Score with AI-generated heatmaps. *[Post]*
- **AI Vibe Coding Hackathon:** Won 1st Place with **NeuralStride** – real-time posture correction app + gamified Chrome extension; tracked 33 MediaPipe landmarks at 15–30 FPS with 100% client-side processing. *[Post]*

International Coding Competitions 2024 – 2026

- **Harvard CS50x Puzzle Day 2026 & 2025:** 1st Place globally (back-to-back).
- **UCLA Coding Competition:** Ranked 26th (2025) and 58th (2026) worldwide.
- **MIT Coding Competition 2025:** Competed among top global students.

Competitive Programming & Problem Solving 2025 – 2026

- Solved 400+ problems on LeetCode; earned 200 Days Badge demonstrating sustained daily practice.
- Typing speed of 75+ WPM enabling fast and efficient development workflows.

EDUCATION

University of Agriculture Faisalabad (UAF) 2023 – 2027

Bachelor in Software Engineering (CGPA: 3.83/4.0) Faisalabad, Pakistan

- Courses: Software Engineering, Data Structures & Algorithms, Mobile App Development, Machine Learning, Database Systems, Natural Language Processing, Digital Image Processing

EXPERIENCE

Full Stack Developer Intern @ Veriqon.AI January 2026 – March 2026

Remote – Minneapolis, MN, USA

- Engineered 6+ responsive landing pages and reusable UI components in Next.js + TypeScript, improving Lighthouse performance scores and overall site structure.
- Built and deployed RESTful APIs with FastAPI, integrating authentication, session management, and live dashboard data endpoints to the React frontend.
- Implemented role-based access control (RBAC) securing multi-tier user flows, enabling granular permission management across the platform.
- Designed dynamic dashboard components consuming live backend endpoints, enabling real-time data visualisation for end users.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, Java, C++
Frontend	React, Next.js, Three.js, HTML5/CSS3, Bootstrap, Tailwind CSS
Backend	FastAPI, Django, Node.js, Express.js, PostgreSQL, MongoDB, MySQL, Redis
AI & ML	TensorFlow, PyTorch, Scikit-learn, Hugging Face, OpenAI API, LangChain, LLMs, RAG, Computer Vision
Tools	Git, Docker, Postman, Insomnia, VS Code, Jupyter, ChromaDB
Soft Skills	Problem Solving, Fast Learning, Team Collaboration, Communication, Attention to Detail, Time Management

PROJECTS PORTFOLIO

Hackathon Winning Projects (2× Winner)

- **VisiAI – AI Visual Auditor** | *React.js, Node.js, TypeScript, Gemini API, Lighthouse API* [Live]
Won Webmind Innovation Hackathon. AI-powered website visual auditor evaluating design clarity and accessibility. Synthesises Gemini Vision API analysis and Lighthouse metrics into a Visual Health Score with AI-generated heatmaps.
- **NeuralStride – Posture Correction App & Extension** | *Next.js, TypeScript, TensorFlow.js, MediaPipe* [GitHub]
Won AI Vibe Coding Hackathon. Privacy-first posture correction app with a gamified Chrome extension. Tracks spine alignment via webcam using MediaPipe’s 33 landmarks at 15–30 FPS with 100% client-side processing.

AI & ML Projects

- **AI Ecosystem Simulator** | *Python, PyTorch, React, Node.js, Socket.io, Gymnasium* [GitHub]
Real-time multi-agent RL system with 100 autonomous agents learning cooperation organically. Achieved 433% increase in cooperation events and 196% survival rate improvement over 50 training episodes.
- **BrainGuard – Brain MRI Classification** | *Python, PyTorch, ResNet18, Grad-CAM, scikit-learn* [GitHub]
Medical imaging AI for early detection of neurological conditions. Processes MRI scans in under 1 second using ResNet18 transfer learning with Grad-CAM heatmaps highlighting critical brain regions for clinical trust.

Full Stack Projects

- **VitalKids – Agentic AI Pediatric Health Platform** | *Next.js 14, FastAPI, Gemini 2.5, PostgreSQL, Redis* [GitHub]
Agentic AI platform with 8 specialised clinical agents for pediatric health monitoring. Implements 2024 Phoenix Sepsis scoring with multi-provider AI fallback achieving under 800ms response time.
- **IntelliDev – VS Code Cognitive Load Extension** | *TypeScript, VS Code API, Node.js* [VS Code Marketplace]
Privacy-first VS Code extension computing real-time cognitive load score (0–100) for burnout prevention. Features personal baseline calibration using Pearson z-scores and smart alerts – 100% local, no cloud dependency.

CERTIFICATIONS

- **Meta Full Stack Development** – Professional Certificate, Coursera 2025
View Certificate
- **Google UX Design** – Professional Certificate, Coursera 2025
View Certificate
- **Machine Learning Specialization** – Stanford University, Coursera 2025
View Certificate