Arif Ali

Software Developer · Full Stack · AI & Cybersecurity

Islamabad, Pakistan
+92 309 2760380
2arif2143055@gmail.com
Portfolio
LinkedIn
GitHub

SUMMARY

Software Developer Intern at Axeom LLC and Computer Science student at FAST NUCES (5th semester). I build and ship full-stack web products with React, Next.js, TypeScript and PostgreSQL (Supabase, Neon), including seven live apps for campus communities, developer tooling, AI security scanning and ride sharing. Nine internships across software development, front-end AI engineering, machine learning and cloud; 20 Anthropic Academy certifications; currently researching human-AI collaboration in financial investment.

EXPERIENCE

Software Developer Intern — Axeom LLC Nov 2026 – Present

Dallas, Texas, United States · Remote

- Develop and maintain production web applications with JavaScript, TypeScript, React, HTML and CSS.
- Build back-end features, APIs and database integrations on PostgreSQL platforms Supabase and Neon.
- Ship through Git and GitHub with code reviews and debugging alongside the engineering team.

FlyRank AI Jun 2026 – Sep 2026

Remote · Three internship tracks

Front-end AI Engineer Intern · Jun 2026 – Aug 2026 · London Area, UK

- Completed 32 practical assignments across site foundations, responsive builds, storefront patterns and AI implementation QA.
- Delivered a culminating launch-and-demo project accepted by the lead mentor; recommended by the Founder & CEO.
- Built AI-powered, high-performance front-end interfaces, including integrations with local LLMs.

Machine Learning Intern · Aug 2026 – Sep 2026

- Prepared, cleaned and analysed datasets in Python; trained, tested and evaluated supervised and unsupervised models.

AI Fluency Intern · Jun 2026 – Aug 2026

- Applied prompting and AI-assisted workflows to research and problem-solving; completed 20 Anthropic Academy courses.

Administration Intern, Volunteer Department — Alkhidmat Foundation Pakistan Jun 2026 – Jul 2026

Lahore, Pakistan · Hybrid

- Selected for the Alkhidmat Summer Internship Program 2026; managed volunteer records, documentation and internal processes, and improved event coordination with the team.

Cloud Computing Intern — Encryptix May 2025 – Jun 2025

- Worked hands-on with cloud computing services, assisting with deployment and configuration tasks.

Web Development Intern — Codveda Technologies Apr 2025 – May 2025

- Built and maintained responsive websites with HTML, CSS and JavaScript; implemented UI components, fixed bugs and optimised performance.

CodeAlpha Mar 2025 – May 2025

Remote · Two internships

C++ Developer Intern · Mar 2025 – Apr 2025

- Built C++ applications including a timed quiz with a leaderboard, using OOP, data structures and file handling.

National Ambassador Intern · Mar 2025 – May 2025

- Represented CodeAlpha to students, promoting its programs and learning resources and driving participation in technical initiatives.

PROJECTS

Toolbox Pro · *Next.js, TypeScript, Tailwind CSS, pdf-lib, PDF.js, Tesseract.js* Live Code

- Privacy-first suite of 24 tools (PDF/image conversion, compression, OCR, background removal, JSON, diff, JWT) that process files in the browser, with on-demand loading and 14 tests.

Campusly · *Next.js, TypeScript, Supabase (PostgreSQL), Zod* Live Code

- Social platform for 264 universities and 437 campuses in Pakistan; anonymity enforced in Postgres (64 RLS policies, column grants), audited moderation and DB-backed rate limits; 42 tests in CI.

PassionVerse · *React, Vite, TypeScript, Supabase, pgvector, Ollama* Live Code

- Hobby-based social network with real-time chat, interest matching and AI project blueprints on a local Llama model, with deterministic fallbacks so features never break.

AI Vulnerability Scanner · *Next.js, TypeScript, Vercel AI SDK, tool calling* Live Code

- AI chat that asks permission, runs a real HTTP security-header audit and renders findings as interactive UI components; an earlier version used Groq LLaMA-3 to explain vulnerabilities with fixes.

RideLink · *React, Vite, TypeScript, Neon (PostgreSQL), Leaflet* Live Code

- Real-time carpooling app with live GPS tracking that matches people heading the same way to split fuel costs and cut CO2, keeping location on-device.

Sift · *Next.js, TypeScript, Neon (PostgreSQL)* Live Code

- Keyboard-first bookmark manager for developers with collections, manual ordering, a command palette, and Google sign-in or account-free local mode.

Al-Hidayah · *JavaScript, HTML, CSS, AI assistant* Live Code

- Ramadan companion with prayer, Sehri and Iftar times, Qur'an reading progress, duas, and a Zakat calculator with an AI assistant.

Security & Systems · *Python, Bash, C++, SFML* GitHub

- **ArifSec-Pro:** OSINT and security toolkit for Linux with IP geolocation, breach checks, port scanning and DNS leak detection.
- **Linux SOC Monitor:** system-health and threat monitoring with SSH attack detection, file integrity checks and email alerts.
- **Zenith Tetris, Doodle Jump, Arkanoid:** C++/SFML games with custom physics, animations and power-ups.

RESEARCH

Human-AI Collaboration in Financial Investment Survey 2026 – Ongoing

- Survey study of how an AI's confidence level, its explanations and the financial risk involved shape whether people trust, verify or reject AI investment advice.

EDUCATION

Bachelor's in Computer Science — FAST National University of Computer and Emerging Sciences Aug 2024 – Aug 2028

5th semester. Coursework: Data Structures, Object-Oriented Programming, Multivariable Calculus, Computer Networks, Operating Systems.

Intermediate, Engineering — Govt. Higher Secondary School, Umer Daho Sarhad May 2022 – May 2024

Grade A · Top rank throughout · Won 3 divisional speech competitions · 1st place in 2 divisional quiz competitions.

Matriculation, Science — Govt. High School, Umer Daho Sarhad May 2021 – May 2022

Grade A1.

SKILLS

Languages	JavaScript, TypeScript, Python, C++, Java, SQL, HTML, CSS, Bash
Frontend	React, Next.js, Vite, Tailwind CSS, Framer Motion, responsive design, accessibility
Backend & Data	Node.js, REST APIs, PostgreSQL, Supabase (RLS, Realtime), Neon, pgvector, MySQL, MongoDB, Firebase, Zod
AI & ML	Vercel AI SDK, tool calling, Claude API, Groq LLaMA-3, Ollama, Model Context Protocol, prompt engineering, data preprocessing, model evaluation
Security	Vulnerability assessment, OSINT, network security, Linux/Kali Linux, SOC monitoring
Cloud & Tools	Vercel, AWS, Git, GitHub, VS Code, Claude Code, Qt Creator, SFML, WordPress
Spoken Languages	English (Professional Working Proficiency), Urdu (native), Punjabi (native), Sindhi (native)

CERTIFICATIONS

- **Anthropic Academy** (2026): 20 courses incl. Claude Code in Action, Building with the Claude API, Model Context Protocol, Agent Skills, AI Fluency
- **FlyRank AI** (2026): Front-end AI Engineering; AI Fluency · **Securiti AI** (2026): AI Security & Governance
- **Google** (2025–2026): Foundations of Cybersecurity; Play It Safe; Connect and Protect: Networks; Tools of the Trade: Linux and SQL; Foundations: Data
- **AWS**: Introduction to Generative AI, AWS Educate (2026); Solutions Architecture Job Simulation, Forage (2025)
- **SBTE Sindh**: Diploma in IT (2024); Certificate of IT (2021) · **DigiSkills**: Freelancing; WordPress (2023) · **Typing**: 120 WPM (2026)

LEADERSHIP & ACTIVITIES

- **Gemini Ambassador**, Gemini (May 2026 – Aug 2026): student services and brand ambassadorship for AI tools on campus.
- **EduVoice, Trillet AI Hackathon**, FAST NUCES (Mar 2025): built a voice-first AI tutor adapting to each country's curriculum, integrating 20+ APIs.
- **Member**, Youth Excellence Forum (Sep 2025 – Nov 2025): leadership, personal growth and community initiatives.
- **Founder**, YouTube channel "Code & Creativity with Arif" (Jan 2021 – Aug 2024): coding tutorials for aspiring developers.