AHMAD HANIF

Software Engineer | Islamabad, Pakistan

email@ahmadhanif.pk | ahmadhanif.pk | linkedin.com/in/ahmadhaneef | github.com/AhmadHanif12

EDUCATION

FAST National University of Computer and Emerging Sciences Aug 2021 - Jun 2025

BS Cyber Security; CGPA: 3.56 / 4.00 *Islamabad, Pakistan*

Gold Medalist, third semester; Dean's List of Honor, second through seventh semesters

EXPERIENCE

Full Stack AI Engineer Mar 2026 - Present

SageTeck *Islamabad, Pakistan*

- Deliver APIs, background jobs, reporting, and product interfaces with FastAPI, PostgreSQL, Redis, ARQ, and Next.js.
- Develop HR workflows covering payroll, attendance, tenant isolation, scoped access control, audit trails, and dialer and biometric integrations.
- Deploy and troubleshoot production services on Linux with Docker, including GPU-backed transcription workloads.
- Build and operate speech and LLM workflows for call transcription, compliance evaluation, scoring, and supervisor review.
- Integrate Gemini, Grok, DeepSeek, and Claude into structured evaluation workflows, with attention to output validation, prompt reliability, latency, and cost.
- Work with Whisper, NVIDIA Parakeet and Nemotron ASR, and NeMo Sortformer for speech recognition and speaker diarization.

Full Stack Developer Jul 2025 - Feb 2026

GRC360 *Pakistan*

- Built compliance applications with React, Next.js, backend services, and PostgreSQL, connecting interfaces to authentication, data, and approval workflows.
- Automated lead intake, approvals, reporting, and notifications with n8n.
- Migrated storage, authentication, and data workflows to Supabase, implementing role-based access, row-level security, and edge functions.
- Integrated LLMs for drafting, reviewing, and summarizing policies, SOPs, governance content, and compliance reports.

Co-Coordinator Jun 2024 - Sep 2024

Protect Lab, FAST NUCES *Islamabad, Pakistan*

- Coordinated student internship teams, technical reviews, and project deliverables; supported planning, implementation, and final presentations.

Teaching Assistant, Data Structures Aug 2023 - Jan 2024

FAST NUCES *Islamabad, Pakistan*

- Evaluated assignments and labs and helped students reason through algorithms and data structure implementations.

PROJECTS

Narwhal Authentication
Python | Flask | JavaScript | SQLite | SQLAlchemy

An authentication prototype exploring challenge-response and zero-knowledge proof concepts.

- Built browser registration and login flows with a Flask backend, JavaScript client, and SQLite database.
- Explored public-key registration and challenge-response verification using modular arithmetic and SHA-256. An experimental learning project.

EasyClaude
Python | Tkinter | pystray | pynput | Pydantic

A quiet system-tray launcher that opens Claude Code in the right project directory with a global hotkey.

- Built a Python desktop launcher for Windows and Linux with a global hotkey, native folder picker, and manual project-path entry.
- Added command shortcuts, saved directory preferences, system-tray controls, and automatic terminal detection.

IntraSec
Next.js | Go | Python | PostgreSQL

Client-less network risk assessment and asset management.

- Built a real-time network inventory and risk assessment platform that identifies assets without installing endpoint agents.
- Implemented alerting and patch guidance to help teams prioritize remediation. Developed under the supervision of Dr. Muhammad Asim, Head of Cyber Security.

TechMart
FastAPI | React | TypeScript | PostgreSQL | Redis | Celery | Recharts | Docker

A real-time commerce dashboard for sales, inventory, forecasting, and reorder workflows.

- Built dashboard views for sales, transactions, stock levels, and alerts with live updates.
- Connected inventory forecasting and reorder suggestions to background tasks, with PostgreSQL reporting and Redis caching.

PORT Guard
Python | Flask | Nmap | HTML | CSS | JavaScript

A web interface for configuring Nmap scans and turning XML results into browsable findings.

- Collaborated on a Flask interface for selecting targets, scan types, host discovery, port ranges, and service-detection options.
- The tool runs configured Nmap scans, parses XML results into CSV, and presents findings in a web interface.

TECHNICAL SKILLS

Applications & interfaces: TypeScript, JavaScript, React, Next.js, Tailwind CSS, Tkinter

Backend & data: Python, FastAPI, Flask, Go, PostgreSQL, SQLAlchemy, Redis, REST APIs, Supabase

Security: Authentication, RBAC, Row-level security, Audit logging, Network assessment, Nmap

Automation & tooling: n8n, ARQ, Celery, Background jobs, System integrations, Developer tools

Deployment & operations: Linux, Docker, Git, Production troubleshooting, GPU workloads

AI integrations: Gemini, Grok, DeepSeek, Claude, Structured outputs, Whisper, Parakeet, Nemotron ASR, NeMo Sortformer, Speaker diarization

CERTIFICATION

Microsoft Certified: Azure Fundamentals (AZ-900)