

Abhinav Ranish

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EDUCATION

Arizona State University (ASU)

Tempe, AZ

B.S. Computer Science (Cybersecurity), Minor: Justice Studies — GPA: 3.7

Aug. 2022 – May 2026

TECHNICAL SKILLS

AI/ML: RAG pipelines, FAISS, sentence-transformers, LLM integration (Groq/Gemini/OpenRouter), prompt engineering, NER

Languages: Python, TypeScript/JavaScript, SQL (PostgreSQL), Rust, Bash, Java

Backend: FastAPI, Express.js, REST/WebSocket APIs, Prisma ORM, Socket.IO, Redis

Infrastructure: Docker/Compose, AWS (EC2, IAM, VPC), PostgreSQL, Nginx, Vercel, Cloudflare

Tools: Git/GitHub (rebase/PR workflow), Linux, Agile/Scrum, technical documentation

EXPERIENCE

SWE Intern (Security + Frontend)

Jun 2025 – Aug 2025

Ampcus Inc

Chantilly, VA (On-site)

- Built and presented an **AI-powered Stock Analyzer** using RAG architecture, sentiment analysis, and financial indicators—translating LLM outputs into actionable business insights for company leadership.
- Shipped **10+ React components** across 4 client modules; completed **150+ Burp Suite security labs** and executed a live penetration test with authored findings report.

AI / SWE Intern

Dec 2024 – May 2025

TRANZYD

Remote (San Jose, CA)

- Architected end-to-end **AI contract intelligence platform** processing ~25 legal contracts: built automated clause extraction, semantic comparison (**FAISS + sentence-transformers**), and draft generation—cutting manual review by ~40%.

Technology Consultant (Part-time)

Nov 2024 – Present

Enterprise Technology, Arizona State University

Tempe, AZ (On-site)

- Provided real-time technical support for faculty across AV, networking, and classroom systems; managed front-desk triage via Slack/phone/in-person and performed end-of-day readiness checks.

Information Technology Intern

May 2024 – Jun 2024

Qatar Financial Centre Regulatory Authority (QFCRA)

Doha, Qatar (On-site)

- Provisioned **150+ employee endpoints** with custom SOE Windows images; created network topology diagrams for leadership presentations during the organization's on-prem to Azure migration.

PROJECTS

Portfolio-Maker — Resume-to-Website SaaS | Next.js, Prisma, PostgreSQL, Groq/OpenRouter

- Built SaaS platform (**host.aranish.uk**) with **LLM-powered resume parsing**: extracts structured data from uploaded resumes via Groq/OpenRouter APIs, generates 5 portfolio themes with OAuth auth and custom slug routing.

PII Redactor | Next.js, TypeScript, regex/heuristic NER, REST API

- Deployed at **pii.aranish.uk**: redacts 12+ PII/PHI entity types (SSN, MRN, credit card, DOB, email, phone) with configurable delete/mask/hash policies. Designed as a **pre-LLM sanitization layer** for AI pipelines.

AutoDJ — AI DJ Application | Rust (5-crate workspace), Tauri, React, Gemini API, FFmpeg

- Built **AI conductor crate** using Gemini API for intelligent music sequencing; designed modular Rust workspace (**106 commits**) with dedicated crates for audio engine, analysis, and storage.

MedApp — Telehealth Platform (Capstone, Team of 5) | FastAPI, PostgreSQL, Redis, Socket.IO, Docker

- #1 contributor (50/90 commits)**. Built JWT auth, PostgreSQL schema with role-based access, multi-container Docker deployment, and OpenMRS EHR integration for health record interoperability.

LEADERSHIP

ACM @ ASU (400+ members) — Treasury Chair & InfoSec; Developer/Admin Tech. Managed \$60K budget, deployed Passbolt via AWS, built asu.acm.org.

Toastmasters International — President, Zenith Gavel; VP Education; Treasurer. 3 years of public speaking and leadership.