

ABHINAV RANISH

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PROFESSIONAL EXPERIENCE

- Ampcus Inc, Chantilly, VA: SWE Intern** June 2025 – Aug 2025
- **Built** 10+ reusable React components and **integrated** APIs, **enhancing** UX across client-facing modules.
 - **Implemented** advanced filtering, dynamic dropdowns, and data table enhancements (TanStack, ShadCN, Tailwind), **streamlining** workflows.
 - **Designed, developed, and presented** an AI-powered Stock Analyzer (Vibe Coded) using real-time data pipelines and ML insights, **delivered** directly to the board.
 - **Performed** web application security testing using Burp Suite to identify and analyze common vulnerabilities.
- TRANZYD, San Jose, CA (Remote): AI SWE Intern** Dec 2024 – May 2025
- Auditioned and secured role by building a stock sentiment analysis app leveraging LLMs and financial news pipelines
 - **Contributed** to an AI contract automation platform, **implementing** clause extraction, semantic diffing, and contract generation with Python, Streamlit, FAISS, and Ollama.
 - **Integrated** SQLite + FAISS to match clauses via embeddings, **reducing** manual review time by ~40%.
- Qatar Financial Regulatory Authority, Qatar: Information Technology Intern** May 2024 – July 2024
- **Migrated** 150+ employees to secure modern systems, **coordinating** workstation deployments.
 - **Mapped** IT infrastructure and **produced** diagrams to support the migration from on-premises to Azure.
- Mannai Corporation, Qatar: Information Technology Intern** June 2023 – July 2023
- **Assisted** in configuring Cisco VLANs to implement network segmentation and isolation.
 - **Contributed** to an ASP.NET web project while **learning** project management fundamentals.
 - **Shadowed** engineers to **gain** exposure to enterprise IT workflows.

RELEVANT PROJECTS

- BetterStreaming** | React, Node.js, WebTorrent, Prisma, PostgreSQL Summer 2025
Developed a full-stack torrent streaming app with React/Node.js enabling **real-time peer to peer playback**:
 - Built progressive peer-based streaming, Prisma/PostgreSQL search, and an admin dashboard for user management.
- Stock AI Analyzer** | Next.js, NLP, Groq API, yfinance, finnhub, Supabase Summer 2025
Engineered an AI-powered stock analysis platform integrating **LLM summaries with custom indicators**:
 - **Designed** and **applied** technical models (RSI, MACD, ADX, Bollinger squeeze, EMA crossovers).
 - **Collaborated** across blueprints (fundamentals, news, insider trades) and **achieved** interactive charting + sentiment tracking.
- VibeCoder – Code Builder** | Python, Ollama, LLM Automation, Patch Diffing, React, Tauri Spring 2025
Created an experimental AI-assisted automation tool for Python project generation and repair.
 - Implemented smart retry with patch diffing to **auto-fix logic errors** and **regenerate** dependencies for rapid prototyping.
- ASU-ClassEnroller** | Python, Selenium, Gmail SMTP, Twilio API Spring 2024
Built an automation tool to monitor ASU course availability and auto-enroll students in real-time:
 - Automated ASU class enrollment with periodic **seat polling**, **email alerts**, saving manual class enrolling time by over 99.9%.

OTHER WORK EXPERIENCE

- Arizona State University, Tempe, AZ: Tech Consultant (20 hours/week)** Aug 2024 – Present
- Provide live classroom support, assisting professors and students with quick thinking and troubleshooting to keep learning running smoothly.
- ACM Chapter @ ASU: Tech Lead** Dec 2024 – Present
- Multiple leadership roles, including Tech Lead and finance chair (400+ members, \$60k annual budget):
- Built and maintained asu.acm.org frontend; **deployed Passbolt via AWS** for secure team credentialing.
 - Led club **gamification system** and storefront; handled billing, purchase requests, and infrastructure ops (Discord, hosting).

EDUCATION

- B.S., Computer Science (Cyber); Justice Studies Minor** May 2026
Arizona State University, Tempe, AZ GPA : 3.7
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Database Systems, Computer Networks, Cybersecurity & Risk Management

SKILLS

- Technical Skills:** Python, C, C++, JavaScript, Java, Rust, Bash; React, Next.js, Tailwind, HTML/CSS; Express.js, PostgreSQL, Docker, Nginx, AWS, Heroku, Cloudflare; Git/GitHub; Windows, Mac, Debian
- Certifications:** Cybersecurity Hands-On Problem Solving (AZNext), Certified Penetration Tester (Red Team)