ABHINAV RANISH

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SUMMARY

Curious, hands-on, and security-oriented. I'm a software engineer who loves building things. Whether it's scripting a class enroller with 2FA bypass or deploying secure apps on AWS, I love solving real problems with code.

PROFESSIONAL EXPERIENCE

Ampcus & Ampcus Cyber, Chantilly, VA: SWE & Cyber Intern   June 2025 – Aug 2025
- Conducted hands-on web app pen-testing (SQLi, XSS, auth flaws) using Burp Suite and Hack The Box labs; via OWASP training
- Identified a frontend need while interning in Cyber and proactively secured a dual SWE role to support a client project
- Built 10+ reusable React components and integrated REST APIs to improve UX across multiple client-facing modules

TRANZYD, San Jose, CA (Remote): AI SWE Intern   Dec 2024 – Present
- 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 generation, semantic diffing, and workflow enhancements using Python and Streamlit; reduced manual review time by ~40%

Qatar Financial Regulatory Authority, Doha, QA: IT Intern   May 2024 – July 2024
- Migrated employees to secure modern systems, coordinating deployment for 150+ workstations.
- Mapped IT infrastructure and produced diagrams to support the migration from on-premises to Azure.

RELEVANT PROJECTS

BetterStreaming | React, Node.js, WebTorrent, Prisma, PostgreSQL   Summer 2025
Developed a full-stack torrent streaming platform inspired by Netflix for seamless media browsing and playback.
- Built a scalable streaming web app using React and Node.js, delivering real-time torrent video playback via WebTorrent
- Implemented progressive streaming with peer-based buffering and optimized metadata queries using Prisma + PostgreSQL
- Designed and deployed dynamic search, title browsing, and an admin dashboard for user/session management

Contract Manager RAG | *Python, Streamlit, Ollama, FAISS, Sentence-Transformers*   Spring 2025
Built an AI-powered contract platform with clause extraction, semantic diffing, and that generates legal contracts:
- Engineered interactive UI with checkbox-based clause finalization and category tagging
- Integrated SQLite and FAISS to match old vs. new clauses using sentence embeddings and LLM-generated context

ASU-ClassEnroller | *Python, Selenium, Gmail SMTP, Twillio 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, Selenium-driven login, and Duo 2FA handling.
- Integrated email alerts via Gmail SMTP for real-time notifications on enrollment success or failure.

OTHER WORK EXPERIENCE

Arizona State University, Tempe, AZ: Tech Consultant (20 hours/week)   Aug 2024 – Present
- Performed nightly AV system audits over 200 classrooms per week to ensure operational readiness and minimize downtime

ACTIVITIES

Association for Computing Machinery - ASU   Aug 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
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Database Systems, Computer Networks, Cybersecurity & Risk Management

TECHNICAL SKILLS

Tools, Databases, OS: Express.js, PostgreSQL, Heroku, Git, Cloudflare Pages, GitHub, Windows, Unix (Mac, Debian), AWS
Front End: HTML, CSS, React, Tailwind, Next.js, Docker, Nginx
Programming: Python, C, C++, JavaScript, Bash, Java, Rust
Security: Burp Suite, Wireshark, Nmap, Metasploit, Kali, Postman
Certifications: Cybersecurity Hands On Problem Solving (AZNext), Certified Penetration Tester (Red Team)