

# Abhinav Ranish

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**Professional Summary** - Aspiring DevOps professional with experience in AWS hosting, automation (Bash, Python), and NGINX configuration. Passionate about cloud deployment, CI/CD, and system optimization.

## PROFESSIONAL EXPERIENCE

**Technology Consultant – Enterprise Technology Arizona State University, Tempe, AZ:** November 2024 - Present

- Provided real-time support for projectors, cameras, microphones, and other technology to minimize disruptions.
- Managed the front desk, assisting faculty and staff with inquiries via phone, Slack, and in-person interactions.
- Conducted **nightly system checks across 60+ classrooms daily**, proactively identifying and resolving issues.
- Enabled uninterrupted lectures and improved response times, ensuring a seamless learning environment for students

**Information Technology Intern - Qatar Financial Center Regulatory Authority, Doha, Qatar:** May 2024 - July 2024

- Contributed to a **major three-year fleet upgrade**, replacing outdated employee laptops with new systems.
- Ensured compliance with company security policies managing sensitive client data and configuring environments.
- Deployed **150+ laptops with Standard Operating Environments within a week**, setting records for deployment speed.
- Created technical presentations on IT infrastructure, gaining hands-on experience with Trellix, Azure, and FortiClient.
- Improved employee efficiency and system performance by ensuring a smooth transition to upgraded workstations.

**Summer Intern - Mannai Corporation, Doha, Qatar:** July 2023 - August 2023

- Shadowed IT professionals in a **high-paced IT support center**, assisting in tickets for external clients.
- Contributed to the development of an **ASP.NET website**, working within a team to implement new features.
- Gained hands-on experience in **switch configuration, IP addressing, subnetting, and VLAN management**.
- Developed a foundational understanding of networking and IT support, learning from experienced professionals.

## ACADEMIC PROJECTS

**Secure Team Password Manager** Spring 2025

Deployed Passbolt Community Edition on **AWS EC2** to streamline password management for ACM ASU.  
Configured NGINX as a reverse proxy and secured the platform with **OpenSSL (SSL/TLS) encryption**.  
Delivered a scalable, secure, and user-friendly solution that enforced password hygiene for the organization.

**AI Stock Analyzer** Spring 2025

Developed an AI stock tool leveraging **Retrieval-Augmented Generation (RAG)** to provide investment insights.  
Integrated **Yahoo Finance** for stock data, **OpenInsider** for insider trading activity, and **NewsAPI** for sentiment analysis.  
Implemented **FAISS vector search** to retrieve similar stocks and **Ollama LLM** for AI-driven predictions (Buy/Sell/Hold).  
Built a **React-based web interface** for real-time stock analysis, displaying trends, confidence scores, and key insights.  
Enhanced decision-making by incorporating **technical indicators (RSI, MACD, SMA)** and news sentiment analysis.

**Spotify Visualizer** Spring 2024

Personal project leveraging the **Spotify API** to create a dynamic music visualizer.  
Built using **Express.js and MongoDB**, allowing users to authenticate and fetch real-time track data.  
Designed an interactive web interface to display song visuals based on audio features.  
Integrated **MongoDB** to store user preferences and enhance customization options.

**Auto Class Enroller** Fall 2023

Developed a **Python-based automation tool** to streamline student class enrollment at ASU.  
Built a **web scraper using Selenium** to monitor real-time class availability.  
Implemented an **Auto Login system** with a workaround for **2FA authentication** to enhance efficiency.  
Optimized the script to reduce manual intervention, improving the chances of securing desired classes.

## VOLUNTEER / HACKATHONS

**Zenith Gavels - Toastmasters Intl, Qatar: President** Jun 2020 – May 2021

Accumulated 5+ years of experience in public speaking, including leading impromptu speaking sessions.  
Effectively communicated with colleagues, managed sensitive data, and reviewed/approved member awards.  
Evaluated member performances, provided constructive feedback, and ensured responsibilities while expanding membership.

**Devils Invent – Honeywell Hackathon (Most Innovative)** Spring 2024

Developed a Flight Path Algorithm for eVTOLs for a Hackathon at Arizona State University  
Used **Dijkstra's Algorithm** to calculate the best path in between landing zones, used fuel index vs speed index for queueing  
Developed a crash detection system based on priority and speed index of the eVTOLs.

## TECHNICAL SKILLS

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**Programming:** Python, C/C++, Java, HTML, JavaScript, CSS, Express.js, React.js, P5js, Bash, Git, SQL

**Cyber Security:** NIST, GRC, Nmap, Wireshark, Burp Suite, OSINT, Metasploit, Virtual Machines, Wireless Security, VAPT

**Other Tools:** Excel, Microsoft Office, G Suites, GitHub, AWS hosting, Teams, Cloudflare Pages

**Certifications:** Certified Penetration Tester, Career Essentials Cyber-security, CIP, File Security Associate, Prompting Essentials,

## EDUCATION

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**B.S, Computer Science (Cyber);** Minor in Justice Studies

Arizona State University, Tempe, AZ

Administration Chair @ ACM ASU

AZNext - Cybersecurity Hands on Problem Solving (GRC, Threat Modeling, SecOps)

Member Software Developers Club & Hacker Devils