Abhinav Ranish

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EDUCATION

B.S, Computer Science (Cyber); B.S Justice Studies   Arizona State University, Tempe, AZ
Administration Chair @ ACM ASU
AZNext - Cybersecurity Hands on Problem Solving (GRC, Threat Modeling..)
Member Software Developers Club & Hacker Devils

TECHNICAL SKILLS

Programming: Python, C/C++, Java, HTML, JavaScript, CSS, Express.js, React.js, P5js, Bash, Git, SQL
Cyber Security: Nmap, Wireshark, Burp Suite, OSINT, Metasploit, Virtual Machines, Wireless Security, VAPT, NIST
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

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe, AZ: Technology Consultant – Enterprise Technology   November 2024 - Present
- Provided in-class tech support, quickly addressing issues with projectors, cameras, mics, and more
- Managed front desk, assisting faculty and staff with real-time inquiries via phone, Slack, and in-person.
- Demonstrated adaptability and problem-solving in a fast-paced environment.

Qatar Financial Center Regulatory Authority, Doha, Qatar: Information Technology Intern   May 2024 - July 2024
- Communicated effectively with clients, configured clients' work environments to meet corporate requirements.
- Deployed over 150+ laptops with Standard Operating Environment, setting records for deployment speed
- Created presentations on IT Infrastructure with basic understanding of Trellix, Azure, FortiClient infrastructure.
- Managed sensitive and client data in compliance with company regulations, ensuring confidentiality and security.

Mannai Corporation, Doha, Qatar: IT Intern   July 2023 - August 2023
- Contributed to the development of an ASP.NET website within a team.
- Gained proficiency in switch configuration, IP addressing, subnetting, and VLAN management.
- Applied practical knowledge in computer networking.

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.

Auto Class Enroller   Fall 2023 – Present
Developed an application in **Python to automate** student enrollment in classes, enhancing registration efficiency.
Build a scraper using **Selenium** to actively scrape data from ASU websites to monitor class availability.
Created an Auto Login tool with a workaround for 2FA to streamline login and enrollment processes.

Exploiting a Vulnerable Computer   Summer 2023 – Fall 2023
Final Project of the Certified Penetration Tester Certification
Used **SA-CORE-2014-005 - Drupal - SQL** injection to exploit a VM independently.
Used Metasploit to deliver payload and gain higher access. 3 Month Certification.

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.

OTHER WORK EXPERIENCE

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 were fulfilled while expanding membership.