Abhinav Ranish

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EDUCATION

B.S, Computer Science (Cyber); Justice Studies (Double Major)   Graduating May 2026
Arizona State University, Tempe, AZ
Relevant Coursework: Data Structure Algorithms, OOP, Effective Communication, Python

TECHNICAL SKILLS

Programming: Python, C, C++, Java, HTML, JavaScript, CSS, Express.js Framework, P5js, Bash, Git, SQL
Cyber Security: Nmap, Wireshark, Burp Suite, OSINT, Metasploit, Virtual Machines, Wireless Security, VAPT
Other Tools: Excel, Microsoft Office, G Suites, GitHub, AWS hosting, Teams
Certifications: Certified Penetration Tester, Career Essentials in Cyber-security, CIP, File Security Associate

PROFESSIONAL EXPERIENCE

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

Auto Class Enroller   Fall 2023 – Spring 2024
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.

Spotify Visualizer Website   Summer 2024
Deployed a live website using AWS with Cloudflare encryption
- Implemented MongoDB for efficient database management and integrated Spotify API to grab song data.
- Developed dynamic visual effects with Three.js geometry to enhance the user experience.

Devils Invent – Honeywell   Spring 2024
Developed a Flight Path Algorithm for eVTOLs for a Hackathon at Arizona State University
- Used Dijkstra's 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 over 5 years of experience in Toastmasters and public speaking.
- Led impromptu speaking sessions and facilitated team-building activities.
- Effectively communicated with colleagues and managed sensitive data.
- Expanded membership and reviewed/approved member awards.
- Evaluated member performances, provided constructive feedback, ensured responsibilities were fulfilled.