Pranav Mahesh

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EDUCATION

University of Arkansas, Fayetteville

Bachelor of Science in Computer Science | Cybersecurity Concentration   **August 2021 - May 2025**

GPA: 3.50

SKILLS

- **Programming & Databases:** Python, C++, PowerShell, MySQL
- **Security & Forensics Tools:** Wireshark, Zeek, Snort, CrowdStrike, ServiceNow
- **Operating Systems & Virtualization:** Kali Linux, Ubuntu, SEED Labs, VMware
- **Cybersecurity Domains:** Incident Response (NIST), Threat Hunting, SIEM, IAM, Zero Trust

WORK EXPERIENCE

Application Support Intern | *Arvest Bank*   **May 2025 - Present**

- Assisted in developing and implementing multiple Linux scripts to automate disk cleanup, monitor space, and restart Tomcat services nightly on production servers, reducing manual workload.
- Developed Python training materials for over 100 Arvest IT associates, strengthening technical skills across teams.
- Migrated 20+ enterprise SSL certificates to the Keyfactor platform, improving lifecycle management and ensuring compliance with internal security policies.
- Lead an intern team to design a Splunk-based SIEM fraud detection strategy targeting multi-million dollar fraud losses, and presenting recommendations on logs, compliance, and response improvements to executive leadership.

Data Security Intern | *Tyson Foods*   **May 2024 - August 2024**

- Strengthened endpoint security using CrowdStrike EDR, achieving a 45% reduction in security threats.
- Triaged, investigated, and mitigated security alerts using advanced threat detection technologies.
- Collaborated on Data Loss Prevention strategies, achieving a 27% improvement in data discovery and accuracy.
- Developed a Python-based SOAR automation bot, optimizing data processing from 3 hours to 2 seconds.

Software Development Intern | *Arvest Bank*   **May 2023 - December 2023**

- Enhanced internal resource tools by modernizing UI and optimizing backend workflows, improving efficiency.
- Delivered Zero Trust security recommendations to executive leadership to strengthen security initiatives.

PROJECTS

Cyber Pattern Labs   **August 2024 - May 2025**

- Created a free virtual platform to provide accessible cybersecurity training to students of all technical backgrounds.
- Integrated Metasploit, OWASP ZAP, and Snort to simulate cyberattacks in a controlled environment.
- Contributed to lab scenarios covering vulnerability exploitation, cryptographic attacks, web application security, and system hardening to prepare students for entry-level cybersecurity roles.

JOLT Cyber Challenge 2023 | *University of Arkansas, Little Rock*   **September 2023**

- Attained *fifth place* in a 'Capture the Flag' competition in Little Rock, against 35 competing teams of four.
- Utilized Kali Linux to solve steganography and cryptography challenges, to extract hidden data, and decode it.

LEADERSHIP EXPERIENCES

Vice President | *CyberHogs*   **January 2024 - May 2025**

- Hosted weekly cybersecurity events focused on technical skills, career guidance, and community building.
- Mentored students through hands-on workshops on Linux security, cryptography, and reverse engineering.
- Coordinated with industry professionals to deliver guest talks and strengthen student-industry engagement.

Gamemaster | *RazorHack*   **May 2024 - Present**

- Collaborated to develop technical challenges for a Capture the Flag event with 30+ student and industry teams.
- Built and tested problems focused on reverse engineering, Linux security, and cryptography.
- Monitored challenge performance and provided participant support during the live competition.

LANGUAGES

- **Fluent in:** *English, Hindi, Tamil, Marathi*