Ahaan Parmar

✉ ahaanparmar6@gmail.com 📞 +91 9356392207 🌐 Portfolio in LinkedIn ⚙ GitHub

Education

Bachelor of Technology in Cybersecurity   Sept 2023 – May 2027
Manipal Institute of Technology, Bangalore, Karnataka, India

Work Experience

Application Security Intern   May 2025 – July 2025
Mobil80 Solutions, Bangalore

- Performed security assessments of in-house and international client applications.
- Worked with Sony through Mobil80 Solutions to conduct security testing on their app.
- Conducted manual and automated vulnerability analysis and reporting on web platforms.
- Collaborated with developers to identify secure coding practices and business logic flaws.

Research Publications

AI-Driven Data Analytics for Real-Time Decision-Making   April 2025
IJPREMS, Vol. 05, Issue 04, pp: 2091-2094, IF: 7.001

- Explored AI integration in decision-making systems across key sectors.
- Assessed machine learning models, privacy risks, and ethical implications.
- DOI: 10.58257/IJPREMS40153

Technical Skills

- **Languages:** Java, Python, C, SQL
- **Security Tools:** Kali Linux, Wireshark, Metasploit Framework, Burp Suite, OWASP ZAP
- **Domains:** Network Security, Penetration Testing, Malware Analysis, NIDS Development

Projects

HackSkyICS Platform

- Advanced ICS cybersecurity platform with real-time autonomous defense, attack simulation, and AI-powered anomaly detection.
- Features real-time SCADA monitoring, AI-powered anomaly detection using ML models, attack simulation with realistic industrial protocols, and autonomous defense with zero human intervention.
- Multi-facility support for Water, Nuclear, and Electrical Grid systems with cutting-edge industrial control system protection.

Network IPS Development

- Customized Snort with firewall features using port mirroring to convert it into a hybrid IPS for real-time response.
- **Tools Used:** Python, Snort, Wireshark

Python Network Firewall

- Designed a firewall using Python with logging and rule-based packet filtering.

Hackathons & CTF Competitions

- **Kaspersky Hackathon at MITB** – 4th place out of 600+ teams
- **AI in FinTech Hackathon** – 6th place out of 50+ teams
- **CyberSiege CTF at Tech Solstice** – 1st place winner, MIT
- **48-Hour CTF Challenge** – Top 7 team, MIT Manipal

Cybersecurity Profiles

- TryHackMe: Ahaan Parmar – Top 8
- PortSwigger Web Security Academy – Completed 23+ Labs

Certificates

- TryHackMe – Presecurity
- Google CyberSecurity Certificate
- Coursera: Python, Data Structures, OOP in Java

Interests

- **Technical:** Cybersecurity Research, Machine Learning, Penetration Testing
- **Languages:** English, Hindi (Fluent); German (Elementary)