

Vandit Shah

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EDUCATION

Gandhinagar University <i>Bachelor of Technology in Computer Science and Engineering (transfer 2nd year to final year)</i>	Gandhinagar, Gujarat July. 2024 – May 2027
Udgam School For Children <i>High School with PCM</i>	Ahmedabad, Gujarat June 2021 – April 2023

EXPERIENCE

Undergraduate Research Assistant <i>Nirma University, Gujarat</i>	January 2025 – Present Ahmedabad
<ul style="list-style-type: none">Designed a secure, multi-layered telesurgery communication system with real-time feedback and robust encryption to protect patient data and command integrity.Led hands-on cybersecurity testing by simulating DoS and DDoS attacks, uncovering critical system vulnerabilities and the performance impact of cyber threats.Deployed and leveraged real-time network monitoring (using Wireshark) for immediate anomaly detection, highlighting the significance of active intrusion detection in healthcare robotics.Proposed targeted security measures such as IP filtering for DoS and advanced, automated detection systems for DDoS, setting the groundwork for future AI-driven and quantum-secure solutions in telesurgery.	
CyberSecurity Intern <i>Yhills, E-CELL IIT Hyderabad</i>	July. 2023 – September 2023 Hyderabad, Remote
<ul style="list-style-type: none">Conducted internal vulnerability assessments and basic threat modeling, contributing to a stronger security posture.Supported startup founders with awareness on digital safety practices	
Penetration Testing Intern <i>Deltaware Solutions Pvt Ltd</i>	June 2025 – September 2025 Ahmedabad, Hybrid
<ul style="list-style-type: none">Conducted penetration testing on client networks and applications to identify vulnerabilities.Assisted in preparing detailed reports on security weaknesses and recommended mitigation.Supported automation and scripting of penetration test procedures to improve efficiency, enhancing response automation capabilities.Collaborated with senior security analysts to design and execute simulated cyber-attacks.	

PROJECTS

Network Traffic Analysis and Credential Hunting <i>Wireshark, Kali Linux</i>	Jan 2025 – Jan 2025
<ul style="list-style-type: none">Analyzed network traffic to identify anomalies and detect credential compromise attempts using advanced packet inspection.Leveraged advanced tools to identify sensitive information transmitted over networks, supporting real-world threat hunting and detection use cases.	
OpenVAS Vulnerability Scanning <i>OpenVAS, Kali Linux</i>	Feb 2025 – Mar 2025
<ul style="list-style-type: none">Conducted comprehensive vulnerability scans and prioritized findings to improve system security posture.Gained practical experience in vulnerability management cycles relevant to enterprise network security.	
Linux Server Hardening <i>Linux, Bash</i>	June 2025 – July 2025
<ul style="list-style-type: none">Applied best practices to secure Linux servers by configuring access controls and patch management.Developed a foundational understanding of secure server operation in production settings.	

TECHNICAL SKILLS

Languages: Python, Bash, Java (Basic), C (Basic) HTML/CSS.

Cybersecurity: Network Security, Packet Analysis, OSINT, Audit Frameworks, Detection Use Cases, Threat Hunting, Response Automation, Vulnerability Assessment, Threat Modeling, Security Operations.

Tools and Platforms: Kali Linux, Wireshark, MPI, Git, Notion, Google Workspace, OpenVAS, Hashcat, John the Ripper.

Creative Skills: Long-form Writing, Fiction Plotting

Certificates: Certified Ethical Hacker(CEH), Google Cybersecurity Professional Certificate, Google Cloud Skill Boost 2023, Certified Cyber Security Technician (CCT).