MUHAMMAD NADEEM

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Education

SASTRA University   **2022 – 2026**
B.Tech in Computer Science Engineering (Cybersecurity & Blockchain Technology)
• Current CGPA: 8.0000
• Coursework: Computer Networks, Ethical Hacking, Cryptography, Machine Learning

Samadh Higher Secondary School   **May 2022**
Class 12
• Percentage: 86.8%

Internship and Volunteering

Association of Computing Engineers (ACE), Cybersecurity Cluster
• Participated in cybersecurity events and awareness campaigns
• Contributed to vulnerability assessment tasks during internal workshops

ACE – Operations, Control, and Public Relations Cluster
• Managed communications and event logistics
• Helped in organizing technical workshops and seminars

Codeboard Technology
• Deployed and configured the Wazuh security platform to monitor and analyze system activity.
• Integrated Wazuh with the ELK Stack (Elasticsearch, Logstash, Kibana) to visualize security alerts and events.
• Built a system capable of detecting real-time threats (e.g., unauthorized access, privilege escalations, and system anomalies).
• Created dashboards and alerting mechanisms to ensure immediate notification of suspicious behavior.

Projects

Integrated Customized IDS with SIEM
• Developed a custom intrusion detection system and integrated it with a Security Information and Event Management (SIEM) tool
• Focused on real-time alerting and analysis for internal traffic
• Tools Used: Snort, Wazuh, ELK Stack

Implementation of Lightweight Cryptography for IoT Environment
• Studied and implemented lightweight cryptographic algorithms for constrained devices
• Evaluated performance on Raspberry Pi and ESP32 platforms

Setup of Personal VPN and Storage Server

• Configured OpenVPN and a self-hosted Nextcloud server for secure data storage and access
• Emphasis on encryption, firewall rules, and access control

Certificate Courses

• Google Cybersecurity Professional Course – Coursera
• Deep Learning – IIT Ropar (NPTEL)
• Postman API Fundamentals Student Expert – Postman
• Tata Group - Cybersecurity Analyst Job Simulation

Technologies

Languages: C, C++, Java, Python, Ruby

Technologies: IDS, SIEM, VPN, Cryptography, Web Exploitation

Tools: Wireshark, Snort, OpenVPN, ELK Stack, Postman

Interests

CTF Events • Penetration Testing • Vulnerability Assessment • Server Management
IDS Evasion • Web Exploitation • Ethical Hacking • Network Security