Nadim Shah Momin

Chennai, India — findnadzz@gmail.com — +91 8327601802
Portfolio: nadzz.me — LinkedIn: linkedin.com/in/nadim-shah-momim — GitHub: github.com/nadzzzzzzz

Objective

A self-dependent and proactive individual with foundational knowledge in vulnerability analysis seeking an internship in the domain of Cyber Security. I aim to utilize my coding and research skills to contribute to the protection and security of digital systems.

Technical Skills

Programming Languages: Python, C, C++

Operating Systems: Windows, Kali Linux, Ubuntu, Arch
Cybersecurity Tools: Wireshark, Metasploit, Burp Suite, Nmap
Networking Skills: Secure Network Design, Firewall Configuration, Network Protocols (TCP/IP, DNS, HTTP/S)
Cloud & Virtualization: Nextcloud, VMware, VirtualBox
Soft Skills: Public Speaking, Resource Management

Education

B.Tech in Computer Science (Cybersecurity Specialization)

SRM Institute of Science and Technology 08/2021 – Present
CGPA: 8.0/10
Relevant Courses: Penetration Testing & Vulnerability Assessment, Mobile & Wireless Security, Cloud Security

Science (PCM)
G.D. Goenka Public School, Siliguri 05/2019 – 06/2021
Score: 78%

Certifications

- **Google Cybersecurity Professional Certificate** (4/8 Complete) – Certificate Link
- **Introduction to Cyber Attacks (NYU, Coursera)** – Certificate Link
- **AWS Academy Graduate – Machine Learning Foundations** – Certificate Link
- **HackTheBox CPTS (Certified Penetration Testing Specialist)** – In Progress

Research Paper

Behind the Shield: Assessing and Exploiting Windows 11 Vulnerabilities

- Conducted an extensive vulnerability assessment of Windows 11 by simulating enterprise environments

with Home, Pro, and Enterprise editions.
- Used tools like **Nmap** to scan and identify vulnerabilities in services such as FTP, SMB, and NFS in typical enterprise setups.
- Concluded that Windows 11's default configurations provide robust security against common network-based attacks while emphasizing the need for further research on sophisticated threats.
Keywords: Windows 11, Vulnerability Assessment, Penetration Testing, Cybersecurity.

Projects

Emotion-Based Music Recommender

- Developed a machine learning system to recommend music based on real-time facial emotion detection.
- Utilized **Python**, **OpenCV**, **Keras**, and **TensorFlow** to achieve a 90% accuracy in emotion recognition.
- Enhanced user engagement by creating a personalized music recommendation system.

Network Layer Communication Analysis
- Analyzed packet-level communication protocols to identify vulnerabilities and optimize data exchange efficiency.
- Documented insights into enhancing secure communications using tools like **Wireshark** and TCP/IP Analysis.
- Results and methodologies are available on GitHub.

Network Attached Storage (NAS) Using Raspberry Pi 4B
- Designed a personal cloud storage system with two 1TB HDDs using **Nextcloud** and **Raspberry Pi 4B**.
- Configured RAID for data redundancy and optimized network performance for reliability.
- Delivered a cost-effective, secure, and private storage solution, reducing dependency on third-party cloud services.

Achievements

- **Co-Founder and Head of Resource Management** – Zephyr Literary Club, SRMIST
- Winner of **CBSE Robotics Competition** (West Bengal, 2019)

Languages

English: Full Professional Proficiency

Hindi: Professional Working Proficiency
Bengali: Native or Bilingual Proficiency