Tanmay Sharma

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Experienced Technical Lead and Project Intern with a background in cybersecurity, machine learning, and secure IoT solutions, particularly in research and educational settings. Proficient in Python, C/C++, Bash, Powershell, and networking tools like Nmap and Metasploit. Demonstrated ability in leading technical teams, building automation tools, and advancing cybersecurity initiatives, including secure network projects with Raspberry Pi and bot development for community management.

EDUCATION

Northeastern University, Boston, MA   **Graduation Month, Year**
Master of Science, Cybersecurity   *1st Sem*
- Any other fun stuff like a minor, varsity sports, fraternity/sorority, or something that gives you a little color.

SRM Institute of Science and Technology, Chennai, India   **June, 2024**
Bachelor of Technology, Computer Science   *GPA 8.97/10*
- Any other fun stuff like a minor, varsity sports, fraternity/sorority, or something that gives you a little color.

WORK EXPERIENCE

Institute for Plasma Research   **Sep 2023 – Nov 2023**
Project Intern   *Ahmedabad, India*
- I worked on a Raspberry Pi project where I created a secured access point using a small raspberry system that can work as a personal VPN or a Personal Router in any environment.

Guvi Code Camp, SRM   **2021 – 2024**
Associate Technical Lead   *Chennai, India*
- In the machine learning domain, I lead the club's technical members.
- Co-introduced the cybersecurity domain within the club along with one of the board members.
- Under my direction, a project dubbed "EngineerTube" has been finished.
- Created a bot for the club's discord server that manages and keeps it running well.
- Hosted a coding event at GCC called "Da Vinci Code".
- Achieved second place in a hackathon within the club.

PROJECTS

GuviBot
https://github.com/tanmaysharma015/GuviBot
A discord bot to manage the everyday work at the GCC Discord server.

ShabdKosh
https://github.com/tanmaysharma015/ShabdKosh
A hackathon project made using python. "Shabdkosh" is a discord bot that allows the users from different language backgrounds to converse with each other with ease. With its simple to use commands you can easily translate any message you write or speak in discord into more than a 100 languages.

Crop Yield and Recommendation System
https://github.com/tanmaysharma015/Crop-Yield-and-Recommendation-System.git
A crop yield and recommendation system that uses the 5 Rs of sustainable farming

Phishing Hook
https://github.com/SirChronicle/Phishing-Hook
The system includes a trained deep learning model that analyzes web pages for phishing indicators, such as suspicious URLs, misleading content, and fake login forms.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** If you have relevant ones; otherwise, delete this bullet + delete "CERTIFICATIONS" above
- **Languages:** C/C++, Python, Bash, Powershell, Rust(learning)
- **Tech Skills:** Networking, TCP/IP, ipsweep, Offensive Security, Penetration Testing, Nmap Scanning, Windows Persistence, Nikto, Metasploit Framework
- **Interests**: Swimming, Flute, Comics, Gaming, Soccer (in no particular order)