K.SHRIVARSHINI

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Education

BTech in Computer science with Cyber Security   2021 – present | Chennai, India
Amrita Vishwa Vidyapeetham

Higher Secondary   2021 | Chennai, India
Sboa School and Junior College

Secondary School   2019 | Chennai, India
Sboa School and Junior College

Experience

Cyber Security Intern, *Skillsda*   06/2023 – 08/2023 | Chennai, India
- Executed Android static analysis, fortifying vulnerabilities for system resilience improvement.
- Scrutinized SSL/TLS, MITM, and MAC spoofing, implementing measures for network resilience enhancement.
- Explored MD2 collisions, RSA Padding Oracle, and Windows policies, enhancing system security.

Skills

Programming Languages — Python │ **Web Technologies** — HTML, CSS, JavaScript │ **Security** — Network Security, Cryptography │ **Tools** — Wireshark, Burpsuite, Kali Linux │ **Operating Systems** — Windows, Linux │ **Database** — MySQL

Projects

Multi-Tool Web Vulnerability Scanner   2024
- Engineered a responsive scanner, resulting in improved threat detection.
- Integrated scanning capabilities, showcasing cybersecurity skills.
- Contributed to online security enhancement, leading to a decrease in potential vulnerabilities.

Semantic Segmentation of Road Objects   2023
- Executed road object segmentation using U-Net, achieving improved accuracy.
- Explored ReLU and SegNet activations for enhanced performance.
- Enhanced computer vision for precise road object segmentation.

Automatic Signature Verification using Image Processing   2022
- Implemented automated verification processes, reducing false positives.
- Showcased expertise in computer vision, resulting in improved processing speed.
- Highlighted proficiency in computer vision, contributing to enhanced speed.

Detection of Malicious URLs using Machine Learning   2022
- Constructed a model for improved cybersecurity.
- Applied advanced algorithms for URL analysis, enhancing effectiveness.
- Identified and addressed threats, improving online security.

Certificates

Involvement in the "TECHO WORKSHOP SERIES'22 VOL-5" by Techobytes Technologies, — September 11,2022 │
Network Security Course,Infosys Springboard. ✎ — September 16, 2023 │
Certificate of Achievement in SQL Injection Attacks from EC-Council. ✎ — November 28,2023 │
Young Professional certification from TCS iON Career Edge. ✎ — September 10,2023 │
NPTEL certification in Ethical Hacking,Indian Institute of Technology Kharagpur ✎ — November 25 2023 │
Career Essentials in Cybersecurity by Microsoft and LinkedIn ✎ — June 29, 2024 │
NPTEL Certification in Python,Indian Institute of Technology Madras ✎ — 15 June 2024 │
Cybersecurity Job Simulation,Pwc ✎ — April 30th,2024 │ **PwC Launchpad** ✎ — 29 July 2024

Achievements

Presented a paper on "Empowering IoT Security: Leveraging Deep Neural Networks Against Ransomware and DDoS Attacks", *IIT – Mandi*   2024

Best Sports Achievement Award-Chess, *Amrita Vishwa Vidyapeetham*   2021