Ranjith M C

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Education

University College of Engineering Bharathidasan Institute of Technology Campus Anna University, Tiruchirappalli — September 2023 – Present
Bachelor of Technology in Information Technology — CGPA:7.18/10.0

St.Joseph's Polytechnic College, Krishnagiri — July 2020 – May 2022
Diploma in Mechanical Engineering — Percentage:91/100

Skills

Languages: Python, Java, JavaScript, C, HTML/CSS, Bash

Databases: MySQL, MongoDB

Libraries: NumPy, Pandas, OpenCV

Frameworks: Flask, Node.js, Scapy, Bootstrap

Tools & Technologies: Git, AWS

Experience

Big Learn — January 2025 – February 2025
Ethical Hacking Intern

- Trained in ethical hacking, penetration testing tool, and threat analysis
- Developed a Python-based ARP spoofing detection tool using Scapy.
- Hands-on experience with Wireshark, Nmap, and Burp Suite

Xeclavis — December 2024 – March 2025
Cyber Security Trainee

- Completed a 3-month technical training program in Ethical Hacking, Web Penetration Testing, Network Penetration Testing, and Python Tool Development.
- Earned the "Offensive Security Badge Holder" certification from Xenclavis and Cognivio IndiaInfotec on April 25, 2025.

Topperworld — August 2024 – September 2024
Web Development Intern

- Developed a professional landing page and a portfolio website.
- Enhanced technical expertise in web technologies and honed design and development skills.

Projects

ARP Spoofer Detection — January 2025 – February 2025
Tech Stack: Python, Scapy, Flask, HTML/CSS

- Developed a real-time network security tool to detect ARP spoofing attacks by analyzing ARP packets, with an interactive Flask-based web interface for visualizing alerts and network activity.
- Conducted stress testing with simulated attacks to ensure accuracy and scalability under high traffic conditions.

Network and Port Scanner
Tech Stack: Python, Tkinter, Scapy, Requests

- Developed a tool to scan networks, identify open ports, and classify connected devices by type using Scapy and Requests for real-time analysis.
- Created an intuitive Tkinter-based interface to display detailed scan results, enhancing user accessibility and interaction.
- Implemented functionality to export scan results as a CSV file for documentation and further analysis.