

MOHAMMED SHAMEEM S

Phone: [8056568821](tel:8056568821) | Email: shameemsms2004@gmail.com | [Portfolio](#) | [Github](#) | [LinkedIn](#)



EDUCATION

Sri Eshwar College of Engineering, Coimbatore	B.E ECE	CGPA: 7.92*(upto 6th Semester)	2022 - 2026
Bharat Matric Higher Secondary School, Krishnagiri	HSC	89%	2020 - 2022
Kingsley Gardens Matric Higher Secondary School, Krishnagiri	SSLC	98%	2019 - 2020

INTERNSHIPS

CISCO VIRTUAL INTERNSHIP - Networking 2024

Designed and implemented secure and efficient network topologies by utilizing VLANs, subnetting, and routing techniques to ensure network isolation and optimized traffic management. Configured dynamic routing protocols such as OSPF to enable efficient route determination and seamless communication across the network.

NSIC - Cybersecurity 2024

Assisted in monitoring and analyzing security threats using SIEM tools, contributing to the incident response and vulnerability assessment processes. Supported the development and delivery of security awareness training programs. Conducted research to stay updated on cybersecurity trends and helped improve security policies.

DITTO SECURITY- Cybersecurity 2024

Completed a cybersecurity internship at Ditto Security, gaining hands-on experience in vulnerability assessments, network security, and threat mitigation strategies. Worked with tools like Nmap, Wireshark, and Kali Linux to identify and address security risks. Contributed to security audits and analysis, strengthening organizational defense mechanisms.

PROJECTS

EvacGlow – Intelligent Fire Detection and Evacuation Guidance System | [GitHub](#) 2025

EVACGLOW is a real-time fire safety system designed using Arduino to detect fire, smoke, and high temperature while guiding safe evacuation via servo-controlled exit paths. It features ultrasonic-based human detection, sensor-based decision logic, I2C LCD alerts, buzzer and LED indicators, and PCA9685-controlled servo motors. The system prioritizes safety by automatically sealing hazardous paths and illuminating safe routes.

Hardware Used: Arduino, DHT11, MQ2, Flame Sensors, Ultrasonic Sensor, PCA9685 and etc. | **Software Tool:** Arduino IDE

SecureDrive - Advanced Vehicle Safety and Secure System | [GitHub](#) 2024

SECURE DRIVE is an advanced vehicle safety and security system that integrates alcohol detection, PIN-based authentication, and real-time alerts using an Arduino microcontroller. It prevents impaired and unauthorized driving by disabling the vehicle if alcohol is detected or the PIN is incorrect, significantly enhancing road safety and vehicle security.

Hardware used: ArduinoUNO, MQ3Sensor, I2CLCD and etc | **Software Tool:** Arduino IDE

Illuminati - The Ultimate Cybersecurity and Network Mapping Tool | [GitHub](#) 2025

Illuminati is a powerful Kali Linux-based tool for IP tracking, network mapping, subdomain & port scanning, and vulnerability analysis. It integrates multiple cybersecurity modules, including geolocation extraction and password strength evaluation. Designed with a user-friendly GUI, it streamlines advanced security assessments for professionals and researchers.

Tech Stack: Python, Bash, Nmap, Subfinder, etc

RouteNConnex- Network Mapping and Visualization Tool | [GitHub](#) 2024

Developed a Python-based tool for real-time network mapping and topology visualization, capable of detecting connected devices, analyzing network traffic, and identifying topology types (Star, Mesh, etc.). Implemented features like device vendor identification, port scanning, LLDP neighbor discovery, and 3D interactive visualization using Plotly. Designed the system to export network details in JSON, CSV, and visual formats for detailed analysis.

Tech Stack: Python, Scapy, Matplotlib, NetworkX, Plotly, Nmap, OS, Subprocess, JSON, CSV

CERTIFICATIONS

Successfully certified in CCNA: Introduction to CyberSecurity	- <u>Cisco Networking Academy</u>	2025
Successfully certified in CCNA: Introduction to Networks	- <u>Cisco Networking Academy</u>	2025
Successfully certified in CCNA: Enterprise Networking, Security, and Automation	- <u>Cisco Networking Academy</u>	2025
Successfully completed the Virtual Internship in Networking	- <u>CISCO AICTE</u>	2024
Successfully certified in Cloud Computing	- <u>NPTEL</u>	2024
Successfully completed Rapid Prototyping with the curiosity Platform	- <u>Microchip University</u>	2024
Successfully certified in Mastering Data Structures & Algorithms using C and C++	- <u>Udemy</u>	2023
Successfully certified in Augmented Reality and Virtual Reality - Workshop	- <u>SECE</u>	2023
Successfully certified in Advanced Python Programming	- <u>CATS Computer Education</u>	2022

ACHIEVEMENTS

- Hackathons** - Selected as Finalist in **Smart India Hackathon 2024** at IIT Kharagpur by NTRO
- Project Expo** - Secured **First Place** at Mini Project Expo 2024 in college
- Paper Publication** - Successfully Submitted a paper on the title "ENHANCED TRAFFIC SHAPING FOR LOW LATENCY COMMUNICATION IN AUTONOMOUS VEHICLE NETWORKS"
- CodeChef** - Solved 250+ problems on CodeChef | Rating 957 | [profile](#)
- Leetcode** - Solved 100+ problems | Global Ranking - 610,113 | [profile](#)
- HackerRank** - Solved 50+ problems | Earned 4star batch for Java Programming | [profile](#)
- HackerEarth** - Secured 150+ points | [profile](#)

SKILLS

- Languages** - C | C++ | Embedded C | Python
- Protocols** - TCP/UDP | Ethernet/IP | UART | SPI | USB | ModBus
- Operating System** - Windows | Kali Linux | Basic Linux
- Core Concepts** - Analog and Digital Electronics | Circuit Analysis
- Microcontrollers** - Arduino UNO | Node MCU ESP8266 | ESP32
- Web Technologies** - HTML | CSS | JavaScript(Intermediate)
- Software Concepts** - Data Structures & Algorithms(Intermediate) | OOPS(Intermediate) | DBMS(Intermediate)
- IoT Platforms** - Blynk IoT | ThinkSpeak
- Testing Instruments** - Multimeter | Oscilloscope
- Wireless Technologies** - Bluetooth | Wi-Fi | Zigbee | MQTT
- Software Tools** - ArduinoIDE | CiscoPacketTracer | GitHub | WireShark | Nmap | Visual Studio Code | Matlab | TinkerCad
- PC Skills** - MS Word | MS Excel