

Malla Kusuma

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SKILLS

- **Languages:** C++, C, PYTHON, JAVA
- **Tools/Platforms:** Nmap, Mimikatz, Wireshark, Burp Suite
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

TRAINING

Centre of Excellence in Maritime and Ship Building Pvt Ltd

January 2025

- **About:** Applied IoT and Embedded Systems knowledge in real-time projects, showcasing practical skills in sensing and actuation techniques. Demonstrated expertise in interfacing various sensors (e.g., IR, LDR, DHT11, MQ2, Soil Moisture, GPS, GSM) with microcontrollers, highlighting a broad range of technical proficiencies.

Tech stacks used: Arduino Software (IDE).

Board Infinity

July 2024

- **Tasks:** Proficient in using Linux commands for system administration and security tasks, including file management, process control, and network configuration.

Tech stacks used: Burp Suite, Nmap, Security Testing.

PROJECTS

Vehicle Tracking and Accident Alert System:

March 2025

Developed a proof-of-concept (POC) device for real-time vehicle tracking, equipped with accident detection and alert capabilities. The device promptly notifies nearby hospitals and police stations during accidents, and also sends alerts to the vehicle owner and family members if the driver surpasses a predefined speed limit.

Tech: CPP, Arduino Software (IDE).

SQL vulnerability assessment:

July 2024

Conducted security evaluations of SQL databases to identify misconfigurations, excessive permissions, and potential threats. Performed automated scans, analyzed risk levels, and implemented remediation strategies to enhance database security.

Tech: Burp Suite, Nmap, Security Testing.

CERTIFICATES

- Certified in Centre of Excellence in Maritime and Ship Building Pvt Ltd. January 2025
- Certified in Board Infinity (Cyber Security and Ethical Hacking) July 2024
- Mastering Data Structures & Algorithms using C and C++ by Instructors Abdul Bari (Udemy) Nov 2023

ACHIEVEMENTS

- **Secured 2nd place in 2-day National level Technical Fest.** April 2022
Among 40 participants.
- **Sreshta Logical Reasoning winner 2019.** March 2019
For securing 1st place in logical reasoning during my matriculation.
- **Sreshta Best Project Presentation winner 2018.** March 2018
For securing best project presentation during my matriculation.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; Since August 2023
- **Sanketika Polytechnic College** Visakhapatnam, Andhra Pradesh
Diploma in ECE; **Percentage: 93%** September 2020 - April 2023
- **Siva Sivani School** Visakhapatnam, Andhra Pradesh
Matriculation; **Percentage: 94%** June 2017 - April 2020