

HARI AMBANI M

SOFTWARE DEVELOPER | FULL-STACK DEVELOPER

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PROFESSIONAL SUMMARY

Final Year B.Tech Computer Science student with strong skills in MERN Full-Stack end-to-end **web application development**, **software Development** and **Cybersecurity**. Proficient in python programming with a passion for **building secure and scalable applications**, Enthusiastic learner, technology-driven, and **eager to contribute to innovative IT solutions**.

EDUCATION

B.Tech Computer Science Engineering	Aug 2022 - June 2026
ASTRA University, Thanjavur, India	CGPA : 8.1533
• Specialization in Cybersecurity & Blockchain Technology	
SSLC at Athena Global School, Chidambaram with 87%	2020
HSC at Athena Global School, Chidambaram with 90%	2022
SCHOOL TOPPER (HSC exam)	

PROFESSIONAL EXPERIENCE

Internship at Infopercept Consulting Pvt. Ltd., Ahmedabad	June 2025 - July 2025
Trainee - Cybersecurity SOC Analyst	
• Worked with MISP and OpenCTI to enhance core features and integrated external services such as cape sandbox to streamline threat data sharing and automation.	
• Hands-on experience with Wazuh and OpenCTI MCP servers using Ollama's web UI and Claude for threat analysis and orchestration.	

SKILLS

Technical Skills:

- **Programming Languages :** Python (intermediate)
- **Problem Solving:** Data Structures & Algorithms (Solved 100+ problems on Leetcode)
- **Tools :** Github, Docker.
- **Databases :** Mysql, MongoDB.
- **System Administration:** Linux (basic administration, development environment).
- **Cybersecurity:** Threat Intelligence Platforms (MISP, OpenCTI), Suricata (IDPS)

Soft Skills:

Strong problem-solving, Effective Communication, teamwork skills, Critical Thinking, Eager to Learn new technologies.

AREAS OF INTEREST

Software Development, Full-Stack Web Application Development, Cybersecurity, Malware Analysis

PROJECTS

FULL-STACK (MERN) - course Capstone Project

- Developed a **full-stack e-commerce application** with an integrated admin dashboard for product creation and management.
- Implemented **JWT authentication and role-based access control** to secure user sessions; used **bcrypt** for password hashing to ensure safe credential storage.
- Built **custom Express middlewares** for logging, error handling, and request validation, improving backend reliability and maintainability.

MALWARE ANALYSIS Project - University mini project

- Engineered a **YARA mutation engine** to generate diversified detection rules, enhancing resilience against metamorphic malware.
- Implemented **perturbation techniques** (instruction permutation, replacement, and garbage insertion) to create 45K+ distinct YARA signatures from limited 9 base samples.
- Optimized **detection rules** using logical-disjunction and FSM-to-Regex algorithms, reducing redundancy and improving detection speed and accuracy.
- Achieved **90%+ detection accuracy** on real-world malware variants (e.g., 9002RAT), demonstrating robustness against evasion techniques.

MACHINE LEARNING Projects

- A Predictive Model for Assessing the Value of Laptops Based on Specifications determine the Price (used **XGBoost regression algorithm** and achieved **91% accuracy**)

CERTIFICATES

- **Google Cybersecurity Professional Certificate** 2023 - 2024
From Coursera (Online Course)
- **MERN Full-Stack Web Development Professional Certificate** 2024 - 2025
From Uptor LMES (Online Course)
- **Minor Specialization in Supply Chain and Project Management** 2023 - 2026
From Sastra University Thanjavur (Offline Course)

LANGUAGES

- English - Read, Write and Speak Fluently
- Tamil - Read, Write and Speak Fluently