Rooban A

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ABOUT ME

Aspiring Computer Science Engineering Student with a strong foundation in programming, web development and AI/ML technologies. Experienced in developing secure communication system, e-commerce platforms and efficient software solutions. Demonstrated strong problem-solving skills with more than 1500+ solved coding challenges. Enthusiastic about leveraging my technical expertise to create innovative solutions and contribute to impactful projects.

EDUCATION

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

BTech Computer Science and Engineering

Kalitheerthalkuppam, Puducherry
CGPA: 8.53 | Grad: 2026

SEVENTH-DAY ADVENTIST HIGHER SECONDARY SCHOOL

Marapalam, Puducherry
HSC - 2022
PERCENTAGE: 82.16
SSLC - 2020
PERCENTAGE: 73.4

SKILLS

PROGRAMMING

Python | C | HTML | CSS
C++ | SQL | JavaScript

TECH PROFILE LINKS

Coding Profile:// **skillrack/rooban**
Github:// **github/rooban**
LinkedIn:// **linkedin/rooban**

ACHIEVEMENTS

CERTIFICATION

NPTEL - Introduction to Internet of Things | PERCENTAGE: 82
NPTEL - Problem-Solving Through Programming in C | PERCENTAGE: 61

CODING

Solved **1500+ problems** in SkillRack under the handle rooban2005 and Earned 500+ Bronze Medals.

COURSEWORK

UNDERGRADUATE

Data Structures
Object Oriented Programming
Computer Programming
Design and Analysis of Algorithms

EXPERIENCE

WORKSHOP ON ETHICAL HACKING AND CYBER SECURITY WITH CTF | Technobytes Technologies in collaboration with Chemplus'24, IIT Madras

March 30th - 31st, 2024 | IIT Madras, Chennai

- Gained practical experience in ethical hacking using **Kali Linux** for penetration testing.
- Mastered tools like **Metasploit**, **Wireshark**, and **Nmap** for network analysis and system exploitation.

NATIONAL CYBER SECURITY SUMMIT '24 | National Cyber Security Research Council in association with AICTE, SMVEC

March 1st - 2nd, 2024 | Sri Manakula Vinayagar Engineering College, Pondicherry

- Contributed to discussions on the latest cyber security challenges and solutions.
- Information obtained from industry leaders on threat analysis, ethical hacking, and cyber security policies.

PROJECT

SECURE COMMUNICATION APPLICATION | Link |

MQTT | RSA | TKinter | Python | Cryptography

- Developed a secure messaging application that integrates **MQTT** for real-time communication and **RSA encryption** to ensure the privacy and security of messages.
- Implemented **GUI interfaces** for multiple clients (Client 1, Client 2, Client 3) to generate RSA keys, send and receive encrypted messages, and store chat history.

NOSTRA E-COMMERCE WEBSITE | Link |

HTML | TailwindCSS | JavaScript | CSS

- Created a responsive e-commerce website, achieving **90% compatibility** with mobile and desktop browsers.
- Featured sections like **new arrivals**, **most-wanted products**, and **customer experiences**, improving user navigation efficiency by **30%**.
- Utilized **HTML**, **CSS** (with **Tailwind CSS** for responsive design), **JavaScript** for interactive features, and **FontAwesome** for icons, achieving a **20% improvement in load time**.

GREENDEN - PLANT SHOPPING WEBSITE | Link |

HTML | TailwindCSS | JavaScript

- Built a mobile-friendly plant shopping website using **HTML**, **Tailwind CSS**, and **JavaScript**, attaining a **95% responsiveness rating**.
- Designed a user-friendly interface with features like **product browsing** and **customer reviews**, boosting user engagement by **30%**.