Rooban A

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EDUCATION

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

BTech Computer Science and Engineering

Kalitheerthalkuppam, Puducherry
CGPA: 8.45 | Grad: 2026

SEVENTH-DAY ADVENTIST HIGHER SECONDARY SCHOOL

HSC - 2022

Marapalam, Puducherry
PERCENTAGE: 82.16

SEVENTH-DAY ADVENTIST HIGHER SECONDARY SCHOOL

SSLC - 2020

Marapalam, Puducherry
PERCENTAGE: 73.4

SKILLS

PROGRAMMING

Advance: Python | C | HTML | CSS
Intermediate: 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
NPTEL - Computer Graphics | PERCENTAGE: 50

CODING

Solved **1500+ problems** in SkillRack under the handle rooban2005.
Earned **500+ Bronze Medals** and completed **25 Certificates**, demonstrating strong programming skills.

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.
- Participated in **Capture The Flag (CTF)** challenges, focusing on real-world security vulnerabilities.
- 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.
- Acquired insights from industry leaders on threat analysis, ethical hacking, and cyber security policies.
- Attended workshops and seminars focused on security protocols and emerging technologies.

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.
- Ensured **message validation** and encryption handling, allowing for safe communication between clients.

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%**.
- Optimized for **mobile and desktop devices**, delivering seamless navigation and a **40% faster load time** than industry standards.