

ROOBAN A

BTech Computer Science Student

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SUMMARY

I am a dedicated BTech Computer Science student with strong programming skills and a proven track record in competitive coding, having solved over 1500 problems on SkillRack. My experience in ethical hacking and cybersecurity, gained through workshops and summits, has equipped me with practical knowledge in networking tools and security protocols. I am passionate about developing innovative projects, including secure communication applications and engaging e-commerce websites.

EXPERIENCE

Participant

Technobytes Technologies in collaboration with Chemplus'24, IIT Madras

📅 03/2024 - 03/2024 📍 IIT Madras, Chennai

Workshop focused on ethical hacking and cyber security.

- 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.

Participant

National Cyber Security Research Council in association with AICTE, SMVEC

📅 03/2024 - 03/2024

📍 Sri Manakula Vinayagar Engineering College, Pondicherry

Summit focused on national cybersecurity.

- Participated in discussions on the latest cybersecurity challenges and solutions.
- Gained insights from industry leaders on threat analysis, ethical hacking, and cybersecurity policies.
- Engaged in workshops and seminars focused on security protocols and emerging technologies.

EDUCATION

BTech Computer Science and Engineering

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

📅 08/2022 - 05/2026 📍 Kalitheerthalkuppam, Puducherry

HSC

SEVENTH-DAY ADVENTIST HIGHER SECONDARY SCHOOL

📅 03/2020 - 05/2022 📍 Marapalam, Puducherry

SSLC

SEVENTH-DAY ADVENTIST HIGHER SECONDARY SCHOOL

📅 03/2018 - 05/2020 📍 Marapalam, Puducherry

KEY ACHIEVEMENTS



Accomplishments in Competitive Programming

Solved over 1500 problems in SkillRack under the handle rooban2005, and earned 500+ Bronze Medals.

SKILLS

Algorithms

CSS

Cybersecurity

Data Structures

Encryption

ethical hacking

Github

gui

HTML

Javascript

Kali

Linux

Metasploit

Nmap

object oriented programming

Python

RSA

SQL

tailwind

tailwind css

tailwindcss

tkinter

Wireshark

TRAINING / COURSES

Data Structures

Object Oriented Programming

Computer Programming

Design and Analysis of Algorithms

PROJECTS

Secure Communication Application

📅 01/2023 - 04/2023

A secure communication application utilizing MQTT and RSA encryption.

- Developed a secure messaging application that integrates MQTT for real-time communication and RSA encryption for ensuring privacy and security of messages.
- Implemented GUI interfaces for multiple clients 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.

PROJECTS

Nostra E-Commerce Website

📅 01/2023 - 04/2023

An e-commerce website designed for optimal user experience.

- Developed a responsive e-commerce website with a stylish and user-friendly interface, featuring promotional offers, a carousel slider, and a dynamic side navigation bar for mobile and desktop.
- Included sections such as new arrivals, most-wanted products, brand display, and customer experiences to enhance user engagement.

Greenden - Plant Shopping Website

📅 01/2023 - 04/2023

A plant shopping website that utilizes modern web technologies.

- Developed a responsive e-commerce website using HTML, Tailwind CSS and JavaScript for a virtual plant shop.
- Designed an engaging user interface with features such as product browsing and customer reviews.
- Optimized the website for mobile and desktop devices, ensuring seamless navigation and a modern user experience.