

Roopesh. S

I am passionate about hardware and Software engineering, particularly in Embedded Systems, Computer Networking, Cloud, and the Web. I am able to effectively self-manage during independent projects as well as collaborate as part of a team.

EXPERIENCE

RAI Member - Apprenticeship Apr 2022 - Present

Crescent Innovation and Incubation Council

RAI is an acronym for Robotics, AI, and IoT which is a hands-on training program.

Embedded Systems Intern Aug 2022 - 1 month

Revoh Innovations Pvt. Ltd.

Worked with various communication protocols like USART, SPI, and I2C. Implemented a Frequency Testing Device for their BLDC Motor Controller using the PWM technique in STM32 Microcontroller board.

EDUCATION

B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai

2019 to 2023: Bachelor of Technology (B. Tech) in Electrical and Electronics Engineering

CGPA: 9.18 (Upto 6th Semester)

Don Bosco Matriculation Higher Secondary School, Chennai

2019: HSC Tamil Nadu State Board Class 12 - 78.67%

2017: SSLC Tamil Nadu State Board Class 10 - 91.40%

PROJECTS

Room Slot Booking

A Room slot booking application built using Python and Django.

Conception - An Idea-sharing platform

Conception is an idea-sharing platform where anyone can find a collection of ideas in every niche. Built using Next.js and MDX.

Freshbey

Freshbey is an open-source and self-hostable e-commerce application with a focus on developer productivity and ease of customization. Built with MERN stack.

VOLUNTEER EXPERIENCE

Project Manager May 2022 - Present

Crescent Technocrats Club

Collaborated with Crescent Technocrats Club to create college software projects.

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Portfolio: roopeshsn.github.io

Github: [roopeshsn](https://github.com/roopeshsn)

Linkedin: [roopeshsn](https://linkedin.com/in/roopeshsn)

Leetcode: [roopeshsn](https://leetcode.com/roopeshsn)

SKILLS

C/C++, Data Structures, Algorithms, Java, JavaScript, Python, MERN Stack, MySQL, Linux, Docker, Kubernetes, Git

CERTIFICATION

Applied Industrial IoT - L&T Edutech

NPTEL Certification on Embedded System Design

Algorithms Specialization from Stanford University through Coursera

LANGUAGES

English - Professional working proficiency

Tamil - Native proficiency