

# 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**

2018 to 2019: HSC Tamil Nadu State Board Class 12 - 78.67%

2016 to 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](https://roopeshsn.github.io)

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

Linkedin: [roopeshsn](https://www.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