

# 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

### Embedded Systems Intern

Aug 2022 - 1 month

*Revoh Innovations Pvt. Ltd.*

I 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.

## OPENSOURCE CONTRIBUTION

### IHR Website (PR [#210](#))

Made the IHR website responsive. The website is built using Vue.js and Quasar framework.

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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

Data Structures, Algorithms, C/C++, Java, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, MongoDB, MySQL, Linux, Docker, 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

## VOLUNTEER EXPERIENCE

### Project Manager

*Crescent Technocrats Club*

Collaborated with Crescent Technocrats Club to create college software projects.

## INTERESTS

Reading books on Money management (*The Psychology of Money*) and Self-development (*Atomic Habits*)