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 Software Developer - Internship Aug 2022 - 1 mo
Revoh Innovations
Worked with various communication protocols like USART, SPI, I2C

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: 9.26 (Till 5th 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

IOT based Surveillance System

It's a small scale surveillance system for my home with 2 cameras built using Raspberry PI and Python.

Conception - Web Application

Conception is an idea-sharing platform where anyone can propose their ideas to the community. Built using Next.js and MDX.

VOLUNTEER EXPERIENCE

Project Manager   May 2022 - Present
Crescent Technocrats Club
Collaborated with Crescent Technocrats Club to build college software projects.

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Github: roopeshsn
Linkedin: roopeshsn
Leetcode: roopeshsn

SKILLS

C/C++, Embedded Systems, ARM, VHDL, FPGA Programming, Verilog, MATLAB, Linux, Python, Git

Data Structures, Algorithms, Machine Learning, Java, JavaScript, MERN Stack, SQL

CERTIFICATION

NPTEL Certification on Embedded System Design

Algorithms Specialization from Stanford University through Coursera

LANGUAGES

English - Professional working proficiency

Tamil - Native proficiency