Roopesh. S

I am passionate about both 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.

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 - 79%
2017: SSLC Tamil Nadu State Board Class 10 - 91.6%

PROJECTS

IOT based Surveillance System

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

Google Assistant using NodeMCU

Implemented Google assistant in NodeMCU board using IFTT.

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

CIIC RAI Membership

We are on a mission to build an AI Robot collaborating with the major engineering streams. Work is in progress.

Project Manager, Crescent Technocrats Club

Collaborated with Crescent Technocrats Club to build college software projects.

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Portfolio | Github | Linkedin | Leetcode Profile

SKILLS

C/C++, Embedded Systems, VHDL and 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