

Darshan M P

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Executive Summary

Motivated Computer Science Engineering student passionate about solving complex problems through innovative solutions. Skilled in MERN stack, algorithms, and data structures, with experience in building full-stack applications and strong problem-solving abilities.

Education

- RNS Institute Of Technology, Bachelor of Engineering in Computer Science and Engineering 2022 – 2026
 - CGPA: 9.18/10
- Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Operating Systems, Software Engineering

Projects

EcoShop – E-Commerce Platform

[GitHub Link](#)

- Built an e-commerce platform with login-based product purchase and selling features.
- Used bcrypt for secure password storage and implemented intuitive UI with React.js and Tailwind CSS.
- Tech: React.js, Node.js, Express.js, MongoDB, Tailwind CSS.

ChatBuddy – Chat and Video Interaction App

[GitHub Link](#)

- Developed real-time messaging and video interaction with WebSocket.
- Implemented a clean and user-friendly interface for text, image, and video sharing.
- Tech: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, WebSocket.

Krishi-Sethu – Data-Driven Crop Recommendation System

[GitHub Link](#)

- Suggested ideal crops based on market demand and environmental factors.
- Integrated live crop price updates and government scheme alerts for farmers.
- Tech: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Python, ML.

Experience

Intern – Sasken Technologies Ltd.

May 2025 – Jul 2025

Smart Traffic Light System Simulator

Bengaluru, Karnataka

- Designed and implemented a Smart Traffic Light Simulator in C++ with priority-based vehicle handling.
- Integrated multithreading, priority queues, and sensor simulation to manage real-time traffic conditions.
- Added conflict-checking logic for simultaneous green lights on non-intersecting lanes.
- Developed modular C++ files and tested using Google Test framework.

Professional Skills

Languages: C/C++, Basic Python, JavaScript, HTML+CSS, Java

Libraries: C++ STL, React.js

Web Dev Tools: Node.js, VS Code, Git, GitHub

Frameworks: React.js, Express.js, Node.js

Databases: MongoDB, MySQL

Areas of Interest: Web Development, Machine Learning, Software Engineering, Database Systems

Soft Skills: Problem Solving, Self-learning, Adaptability, Communication, Teamwork