

# RAJAVENDAN R

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## Description

Enthusiastic IT student with solid foundation in Core Java and data structures. Skilled in building efficient solutions to logical problems and eager to apply them in practical projects.

## Technical Skills

- **Languages and DataBase:** Java, C, SQL
- **Data Structures & Algorithms.**
- **Core CS Concepts:** Object Oriented Programming, Computer Networks.
- **Tools:** Github, SQL workbench.

## Hackathon Highlights

### Project Work Title Registration Portal | ReactJS, MongoDB, ExpressJS

Jan 2023 - Feb 2023

- Built a dynamic project title registration portal enabling students to register projects with real-time validation, cluster-department checks, and automated email notifications to faculty guides.
- Integrated **Firebase** authentication and **Nodemailer**, allowing only authorized users to create projects and triggering guide approval emails with secure project-specific links.

## Projects

### Railway Reservation System - OOP-based | Java, JDBC, MySQL, HTML, CSS, JavaScript

Jan 2025 - Mar 2025

- Collaborated in a 2-member team as the **Backend Developer**, building a full-stack train reservation system using **Java** and **JDBC** with **OOP principles** and **MySQL** for CRUD-based ticket management.
- Integrated a **responsive frontend** using **HTML, CSS, and JavaScript**, ensuring smooth **backend communication, real-time data handling, and exception management**.

### Sustainable Waste Management System | ReactJS, MongoDB, ExpressJS

Jan 2024 - Mar 2024

- Developed a sustainable waste management platform using **React.js, Express.js, and MongoDB**, enabling real-time waste reporting by users through image uploads with geolocation support via Google Maps API.
- Integrated **Gemini API for AI-based image analysis**, automatically identifying waste type and estimating weight from before-and-after cleanup photos, with a reward system based on cleanup metrics.

## Co-Curricular Activities

- Achieved Runner-up position in BIT Hackathon by developing a replica of the college website with enhanced features.
- Served as Student Coordinator for LEOFEST'2k24, our inter-college symposium

## Education

### Bannari Amman Institute of Technology

2022 – 2026

B.Tech in Information Technology | CGPA:7.89 (Upto sem 6)

Sathyamangalam, Tamil Nadu

### Jayam Vidhyalaya Matriculation Higher Secondary School

2021 – 2022

Grade - 12 | percentage – 76.3

Harur, Dharmapuri

### Jayam Vidhyalaya Matriculation Higher Secondary School

2019 – 2020

Grade - 10 | percentage – 90.4

Harur, Dharmapuri

## Personal Traits

- **Passionate and quick learner**
- **Self-motivated and collaborative team player**