

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*