

MD Zulkarnain

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[GitHub](#) — [LinkedIn](#)

Professional Summary

Full Stack Developer experienced in building scalable and responsive web applications using React, Node.js, MongoDB, and Python. Strong foundation in Data Structures & Algorithms with proven problem-solving skills. Passionate about designing clean backend systems and delivering real-world engineering solutions.

Technical Skills

Languages: Java, JavaScript, Python

Frontend: HTML, CSS, React.js

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, MySQL

Core Concepts: Data Structures, Algorithms, OOPS, Time & Space Complexity

Tools: Git, GitHub, VS Code, Postman

Currently Learning: System Design, Backend Architecture

Projects

Waste Management Platform (Hackathon Project)

- Built a web platform enabling users to exchange recyclable waste for monetary rewards, improving waste collection efficiency
- Developed responsive frontend using React and modern UI practices, ensuring smooth user experience across devices
- Designed delivery-app-like workflows for faster bookings and tracking
- Collaborated within a 4-member team and presented solution during hackathon
- Helped digitize waste management process and promoted sustainable recycling practices

MediSync — Healthcare Management System

- Developed a full stack healthcare system for managing patient records and appointment scheduling
- Implemented secure authentication and role-based access control for protected medical data
- Built REST APIs using Node.js and Express.js to handle CRUD operations efficiently
- Integrated MongoDB database to manage structured patient and appointment information
- Reduced manual record keeping by digitizing operations and improving data accessibility

Education

Bachelor of Technology — Computer Science Engineering

2023 – 2027

Sri Krishna Institute of Technology

Achievements & Activities

- Solved 200+ Data Structures and Algorithms problems on LeetCode
- Built multiple full stack projects through self-learning and hands-on development
- Strong problem-solving mindset with clean coding practices
- Actively improving communication, system design, and backend development skills