

# MD Zulkarnain

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GitHub — LinkedIn

## Professional Summary

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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

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**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

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### 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

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**Bachelor of Technology — Computer Science Engineering**

2023 – 2027

Sri Krishna Institute of Technology

## Achievements & Activities

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- 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