

# Lokaesshwar S

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## Education

### VIT Bhopal University

Jul 2022 - Onwards

*Bachelor of Technology in Computer Science , specialisation in Health Informatics*

CGPA – 8.24

### ONGC Public School, Pondicherry, India

Jul 2019

*Senior Secondary Certificate Examination (Class XII)*

Percentage – 71 %

### Aathmalayaa Higher Secondary School , Pondicherry , India

Jul 2017

*Secondary Certificate Examination (Class X)*

CGPA – 9.8

## Projects

### The Rustic Restaurant

*React, MERN stack, HTML, CSS*

Jan 2025

- Architected an intuitive website featuring online table reservations, detailed menu access, ambiance exploration, and integrated maps, resulting in a 40% increase in online reservations within the first quarter.
- Engineered a full-stack web application utilizing React and MERN stack, which enabled online table bookings, menu viewing, and integrated maps, averaging 500 daily active users.
- Implemented secure user authentication and optimized database queries, reducing load time by 30%.
- Link: <https://github.com/lokaesshwar/TheRusticRestaurant>

### MedOps

*React, WebRTC, MongoDB, Node.js*

Oct 2024

- Assembled a Kanban-based task system to help hospital staff organize and track daily activities.
- Equipped the platform with secure video calls (WebRTC), and telemedicine features for remote patient consultations.
- Arranged a digital record-keeping system and automated scheduling using React and MongoDB to improve efficiency.
- Link: <https://github.com/lokaesshwar/MedOps-Hospital-management-System.git>

### E-Commerce Website

*HTML, CSS, JavaScript*

Jun 2024

- Crafted an online store using HTML, CSS, and JavaScript to display over 50 products with detailed descriptions.
- Incorporated a shopping cart allowing users to add and remove items as required.
- Introduced a secure checkout flow to ensure customer payment data is protected.
- Link: <https://e-commerce-website-lokaesshwar.netlify.app/>

## Experience

### Octipack 3d

Jul 2024 – Sep 2024

*Web Development Intern*

- Developed an intuitive front-end for the company's logistics platform using React, ensuring a seamless experience across mobile and desktop screens for container space management.
- Restructured machine learning models to refine 3D packing algorithms, increasing space utilization by 35% and reducing logistics inefficiencies by 25%.
- Expanded from front-end development to gain hands-on experience with Django, integrating both front-end and back-end solutions, reducing system downtime by 40% and enhancing operational efficiency.

## Technical Skills

**Core Skills:** HTML5, JavaScript, Java, Python, Tailwind/Bootstrap (CSS Frameworks), React.js, Angular, MongoDB

**Certifications:** Node.js & MongoDB: Developing Back-end DB Applications (IBM), HTML, CSS, and JavaScript for Web Developers (Coursera, Johns Hopkins University), Java with DSA (Udemy).

**Coding:** Engaged in competitive programming, solved over 200+ problems on LeetCode and GeeksForGeeks and actively contributing to open-source projects – organisations in GSoC, enhancing coding skills and collaboration experience.

## Extracurricular

### 2<sup>nd</sup> Runner Up – Healthcare Management System Hackathon

Mar 2025

*IIT Indore*

- Secured 3rd place in the Healthcare Management System Hackathon at IIT Indore, competing against 600+ participants nationwide, by designing a website for managing medical emergencies and leave requests in academic institutions.