

# Onkar Hol

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Portfolio

onkar hol

## Education

### •Bachelor of Technology in Computer Engineering

Dr. Babasaheb Ambedkar Technological University, Lonere

2021-2025

CGPA: 7.69

## Technical Skills and Interests

**Languages:** Java(Core Java, OOP concepts, Multithreading, Collections Framework), JavaScript, Python, C, HTML, CSS.

**Java Tools Frameworks:**Spring Framework, Spring Boot (Web Framework), Maven (Build Tool), Spring Data JPA (ORM), JDBC (with MySQL, PostgreSQL).

**Frameworks:** Node.js, ReactJS, ExpressJS, TailwindCSS.

**Databases:** MongoDB, MySQL, PostgreSQL, Firebase.

**DevOps Cloud Tools:** Docker.

**Version Control:** Git, GitHub.

**Technologies in Machine Learning:** Deep Learning, Machine Learning.

**Areas of Interest:** Java Backend Development, API Development, Problem solving.

**Soft Skills:** Self-learning, Presentation, Adaptability.

## Experience

### •Frontend Developer Intern

AV Digital Solution

April - Sep 2024

Online

- Engineered responsive UIs and dynamic web applications using ReactJS, handling RESTful API integration for seamless data flow, resulting in a 25% improvement in user engagement.
- Refactored and optimized the codebase for the Client Management System, improving performance and scalability by 15%.
- Utilized Git and Agile methodologies to ensure continuous deployment, leading to a 30% reduction in development cycles and a 20% increase in team productivity.
- Debugged complex routing and asynchronous issues, improving efficiency in the lead management portal by 40%.

## Projects

### •Online Learning Management System (MERN Stack)

2023

- Developed a full-featured LMS platform, enhancing the learning experience for both teachers and students by 85%, resulting in a 30% increase in student engagement.
- Implemented real-time communication between teachers and students via chat functionality using Socket.io, achieving 90% responsiveness and enabling over 200 instant messages daily for better interaction.
- Created comprehensive course management features for teachers, allowing them to upload materials, create assignments, and track student progress through a ReactJS-based user-friendly interface, boosting teacher productivity by 40%.
- **Technologies Used:** ReactJS, Node.js, ExpressJS, TailwindCSS.

### •Anomaly Video Detection System

2024

- Developed an anomaly detection model using Deep Learning and Machine Learning to identify violent actions in video footage, achieving 92% accuracy in detecting anomalies across 100+ hours of video data.
- Addressed the challenge of monitoring multiple camera feeds by implementing a system capable of analyzing up to 20 camera feeds simultaneously, processing each frame in under 1 second, and sending notifications with a delay of less than 0.5 seconds.
- Optimized for high accuracy and rapid response, allowing security personnel to respond 60% faster to potential threats, reducing incident response time from 10 minutes to under 4 minutes on average.
- **Technologies Used:** Python, Deep Learning, Machine Learning.

## Positions of Responsibility

### •President, Literature Club

Jan 2024 - Dec 2024

- Led the Literature Club and organized debates, writing events, and discussions in college.
- Managed and coordinated various student activities, handling 10+ members team and ensuring smooth event execution.

## Achievements

### •2nd Runner-up, Codebits National Level Hackathon

April 2024

### •2-Star Coder on CodeChef

### •Solved 500+ problems on various coding platforms (LeetCode, GeeksForGeeks, InterviewBit)

## Certificates

### •Full Stack Web Developer (MERN Stack)

PW Skills

### •Tech Saksham Foundation Course

Microsoft

### •Agile Project Management

HP LIFE