

JITENDRA KUMAR DODWADIYA

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Portfolio

Linkedin

Github

Education

Indian Institute Of Engineering Science And Technology, Shibpur

2022 – 2026

Bachelor of Technology in Computer Science and Technology

Howrah, West Bengal

Experience

Appco Software

May 2025 – July 2025

Software Engineer Intern

Jaipur, Rajasthan

- Developed and deployed a full-stack note-taking web app (iNotebook) using MERN stack with secure JWT auth and REST APIs, enabling 100+ active users.
- Reduced API latency by 20% through optimized MongoDB queries and Node.js backend refactoring, improving system performance.
- Collaborated within an agile team using Git version control, maintaining high-quality and scalable codebase.

Projects

Video Proctoring System (MERN, TensorFlow, MediaPipe, Tailwind CSS) [GitHub](#) [Demo](#) Jul 2025 – Sept 2025

- Developed a full-stack AI-powered video proctoring system supporting 100+ concurrent candidates, enhancing exam integrity by 85%.
- Implemented real-time focus detection, anomaly tracking, and automated PDF/CSV reporting with 100% data consistency.
- Streamlined backend APIs and AI pipelines, reducing latency by 30% and ensuring smooth real-time video analysis.

SmartHealthBot (MERN, Flask, Python, NLP, Tailwind CSS, Razorpay) [GitHub](#) [Demo](#) Dec 2024 – Mar 2025

- Designed an AI-powered healthcare platform for symptom analysis, doctor consultation, health record tracking and secure payments for 500+ users.
- Integrated NLP-based AI checker with 90%+ accuracy, providing instant medical insights and treatment suggestions.
- Implemented JWT authentication and responsive UI/UX, improving engagement and retention by 30%.

Hostel Management System (MERN, JWT, Chart.js, Tailwind CSS) [GitHub](#) [Demo](#) Jul 2024 – Oct 2024

- Built a hostel management platform for 200+ students, simplifying room booking, complaints, and record management, cutting admin effort by 40%.
- Implemented secure password hashing with JWT authentication, enhancing data protection for 100+ active users.
- Optimized MongoDB queries with indexing and designed a responsive Tailwind UI with filters and search, reducing query time by 60%.

Technical Skills

Languages: C, C++, Python, JavaScript, TypeScript, SQL

Frontend: React.js, HTML, CSS, Tailwind CSS

Backend: Node.js, Express.js, RESTful APIs, JWT Auth, Microservices, CI/CD, API Development

Databases: MongoDB, MySQL

AI / ML: TensorFlow, MediaPipe, OpenCV, NumPy, Pandas, scikit-learn, Matplotlib

Tools & DevOps: Git, GitHub, VS Code, Linux, Postman, Render, Vercel, Docker, AWS, Cloud Deployment

Core CS Fundamentals: Data Structures & Algorithms (DSA), OOP, DBMS, CN, OS

Achievements

- LeetCode:** Solved 665+ problems with a rating of 1719 (Top 11.67% globally) ([Profile](#))
- HackNITR 5.0:** Led a team to engineer a real time peer-to-peer payment app during the NIT Rourkela hackathon, demonstrating leadership and project management skills
- Reliance Foundation Scholar:** Selected among the top 5,000 Indian undergraduates nationwide for academic excellence
- L'Oréal Boost Scholar:** Awarded for leadership and innovation in technology

Open Source Contributions

Better Software Company (October 2025)

Built a React and Flask CRUD module for comment management and integrated it with REST APIs as part of an official company contribution Private repository (company confidentiality).

Tech Stack: React, TypeScript, Flask, REST API, Git