JITENDRA KUMAR DODWADIYA

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Education

Indian Institute Of Engineering Science And Technology, Shibpur   **2022 − 2026**
Bachelor of Technology in Computer Science and Engineering   *Howrah, West Bengal*

Experience

Appco Software   **May 2025 − July 2025**
Software Engineer Intern   *Jaipur, Rajasthan*
- Engineered and deployed a full-stack note-taking web app (iNotebook) using MERN stack with secure JWT auth and REST APIs, enabling 100+ active users.
- Refactored backend logic and optimized MongoDB queries, cutting API latency by 20% and improving system throughput.
- 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**
- Built a real-time AI-powered proctoring system handling 100+ concurrent candidates, improving 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 200+ 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, Jest, Render, Vercel, Docker, AWS, Cloud Deployment
Core CS : Data Structures & Algorithms (DSA), OOP, DBMS, CN, OS

Achievements

- **LeetCode**: Solved **665+** problems with a rating of **1719** (Top **11.67%** globally) (Profile)
- **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
- **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

Open Source Contributions

- **Better Software Company (October 2025)**
  Contributed to the development of a production-grade React and Flask CRUD module for comment management, integrated with REST APIs in a private corporate repository. Enhanced maintainability and API efficiency through clean architecture and version control best practices.
  Tech Stack: React, TypeScript, Flask, REST API, Git