



SHUBH DINESH JAIN

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Education

Veermata Jijabai Technological Institute (VJTI), Mumbai

Aug. 2023 – Present

Master of Technology - Network Infrastructure Management Systems

Mumbai, India

MET Bhujbal Knowledge City, Nashik

Aug. 2018 – May 2022

Bachelor of Engineering in Computer Science and Engineering

CGPA: 8.37/10.0

Professional Experience

The Sparks Foundation

Nov. 2021 – Dec. 2021

Software Development Engineer Intern

Remote

- Orchestrated full-stack development of a donation platform with secure payment integration, achieving 95% user satisfaction.
- Spearheaded performance optimization, resulting in a 90% improvement in PageSpeed scores.
- Skills: JavaScript, HTML5, CSS3, Payment Integration, Authentication

Technical Projects

EduMERN | *Full-Stack Learning Management System*

- Developed a comprehensive LMS using the MERN stack with secure Clerk authentication, enabling seamless course management and user access control.
- Implemented a robust course creation system with a custom analytics dashboard, allowing educators to track completion rates, engagement, and performance metrics.
- Integrated Stripe payment gateway with subscription management, achieving a 99.9% payment processing success rate and automated billing cycles.

Skills: MERN Stack, Clerk Authentication, Stripe, Tailwind CSS, Vercel, API Development

Appointify | *Full Stack Healthcare Appointment Management Platform*

- Architected a scalable MERN stack application with JWT authentication and role-based access control for patients, doctors, and administrators.
- Designed API architecture handling daily appointments with Razorpay payment integration.
- Engineered a real-time appointment tracking system using WebSocket technology, reducing scheduling conflicts by 95%.

Skills: MERN Stack, JWT, RESTful APIs, Razorpay, WebSocket, MongoDB Atlas, Tailwind CSS

FormFit | *AI-Powered Fitness Analysis System*

- Developed a sophisticated fitness tracking system utilizing MediaPipe for real-time pose estimation with 99% accuracy.
- Implemented custom BiLSTM models for exercise classification, achieving 95% accuracy in form detection.
- Integrated Cohere for intelligent workout feedback, generating personalized recommendations based on user performance metrics.

Skills: Python, MediaPipe, Deep Learning, BiLSTM, Cohere, API, Streamlit

Technical Skills

- Programming Languages & Core: JavaScript, Python, HTML/CSS, C++
- Web Development: React.js, Node.js, Express.js, Tailwind CSS, RESTful APIs, JWT, WebSocket
- Tools & Technologies: MongoDB, Firebase, Git, VS Code, Streamlit, Deep Learning, MediaPipe

Professional Certifications

Python Data Structures and Algorithms

2022

Coursera - University of Michigan

MERN Stack Development

2025

PrepInsta - Full Stack Web Development