

Sanjeevikumar

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Experience

Frontend Developer Intern (Short-time)

Integrin Enterprise Solutions

COIMBATORE — JAN 2025 – MAR 2025

- Built responsive user interfaces using **Vue.js** and **Quasar**, improving application performance by 20%.
- Integrated REST APIs following structured workflows and team guidance for dynamic data rendering.
- Closely collaborated with team and supervisors to deliver assigned components within defined scope and deadlines.

Freelance Web Developer

Remote — Various Clients

SEP 2024 – DEC 2024

- Delivered a full-stack **e-commerce application** (**ONLYBABY** - Toy Store) using **React.js**, **Node.js**, and **MongoDB**, integrating **Razorpay** for secure, seamless payments, improving transaction success rates by 35%.
- Built a robust **role-based access control (RBAC)** system, managing permissions across **customers**, **sell-ers**, and **admin** panels using the **MERN Stack**.
- Developed scalable backend APIs with **Express.js** and **MongoDB**, ensuring 99.9% uptime and efficient concurrent request handling.
- Integrated **Twilio** for OTP-based authentication and **Cloudinary** for optimized image storage and retrieval.
- Deployed and maintained production environment on **Hostinger**, implementing server optimizations and domain management.
- Maintained 100% on-time milestone delivery by working iteratively with clients and rapidly adapting to feed-back.

Projects

AI-Powered Classroom Attendance and Attentiveness System

[GitHub](#)

PYTHON, FLASK, YOLOV8, DEEPFACE, OPENCV, SQLITE

- Developed an end-to-end system that automates student attendance and attentiveness monitoring using **YOLOv8** for real-time face detection and **DeepFace** with **Facenet512** for accurate face recognition.
- Designed a pipeline to capture video frames, detect faces, abstract features, and identify students with over 99% recognition accuracy.
- Built backend logic with **Flask** and **SQLite**, automatically updating recognized faces into a secure database while maintaining privacy and access control.
- Implemented attentiveness tracking by analyzing facial orientation and eye engagement metrics, enabling proactive insights into classroom participation.
- Generated automated attendance reports, absentee alerts, and data analytics dashboards for educators, reducing manual effort by 90% and increasing tracking reliability.
- Integrated **OpenCV** for video processing, image capture, and live monitoring from CCTV feeds.

Education

Master of Computer Applications (MCA)

Anna University, Chennai

JULY 2024

CGPA: 7.25/10

Relevant Coursework: Data Structures, Object-Oriented Programming, Operating Systems, Software Development, Web Development

Technical Skills

Languages: Python, JavaScript

Web Technologies: Quasar, React.js, Vue.js, Node.js, Express.js, Tailwind CSS, HTML, CSS

Database: MongoDB, MySQL

Tools: Git, GitHub, Postman, VS Code

Core Skills: Technical Leadership, Team Mentoring, Agile Project Management, Scalable UI Architecture, API Integration, Best Practices Advocacy