SANJEEVIKUMAR

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Education

Master of Computer Applications (MCA)
Anna University, Chennai   CGPA: 7.25
- Relevant Coursework: **Data Structures and Algorithms, Software Development, OS, OOPs**

Work Experience

Frontend Developer Intern
Integrin Enterprise Solutions, Coimbatore, Tamil Nadu   Jan 2025 - Present
- Built responsive and reusable UI components using Vue.js and Quasar, reducing development time by 30%.
- Improved website performance by optimizing state management and minimizing re-renders.
- Resolved critical UI/UX issues, enhancing user navigation flow and reducing bounce rates.

Projects

AI-Powered Classroom Management System
Description: Designed a Python and Django-based solution to automate attendance marking and monitor student attentiveness in real-time using YOLO and OpenCV. The system eliminates the inefficiencies of manual attendance tracking and improves classroom engagement analysis.
Tech Stack: Python, Django, YOLO, OpenCV
- Automated real-time attendance marking, ensuring 99.32% accurate attendance records.
- Implemented face detection using YOLO and OpenCV to monitor student engagement.

Projects

Timetable Scheduler and Notification System
Description: Developed a full-stack MERN application to automate class management for college professors, eliminating manual communication delays. The system sends automatic reminders 10 minutes before class, ensuring seamless class operations. Inspired by Google Calendar and Slack, it optimizes real-time communication and scheduling.
Tech Stack: MongoDB, Express.js, React.js, Node.js, Socket.IO
- Automated email/SMS reminders to professors when their class is about to start.
- Enabled real-time availability updates and substitute management through Socket.IO.
- Built an admin dashboard to upload and manage timetable data efficiently.

Technical Skills

Programming Languages: Python, JavaScript
Technologies and Tools: React.js, Vue.js, Quasar, Tailwind CSS, Node.js, Express.js, Socket.IO, MongoDB, SQL, Git, GitHub, Postman, VS Code, Problem-solving, Team Collaboration, Communication.

Achievements

- Achieved **99% accuracy** in real-time attendance marking and student engagement tracking using YOLO and OpenCV, significantly reducing manual errors.
- Reduced **manual follow-ups by 85%** through the automated class scheduling and notification system using Socket.IO, ensuring seamless class management.