Dev Mangrani

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EDUCATION

Vellore Institute of Technology   Aug. 2021 – May 2025
Bachelor of Engineering in Computer Science and Engineering   *CGPA: 8.60*

SKILLS SUMMARY

Languages: JavaScript, TypeScript, Java, Python, C++, SQL
Technologies & Tools: RESTful API, HTTP, Git & GitHub, React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, MySQL, Google Cloud Platform (GCP), Vercel, Netlify
Computer Science Fundamentals: Problem Solving, Data Structures and Algorithms, Object Oriented Programming**,** DBMS, Technical Design, Troubleshooting, and Stakeholder Management

EXPERIENCE

Full Stack Internships   Oct. 2023 – Jan. 2024
    Rodella Aerospace Labs
- Developed scalable and optimized web solutions, ensuring seamless integration with ad tech products and web analytics tools.
- Designed and implemented efficient SQL-based data storage and retrieval solutions, enhancing performance and scalability. Led troubleshooting efforts and stakeholder communication to resolve technical issues effectively.
- Applied best practices in web technologies, including front-end and back-end development and cloud computing.
- Contributed to globally scalable solutions by adapting bespoke implementations into reusable, structured frameworks.

PROJECTS

JOB SEWA **job-sewa.vercel.app**
    Technology: Next.js, node.js, MongoDB
- Developed a job portal to connect skilled workers with employers, simplifying the hiring process.
- Enabled workers to create profiles, showcase skills, and track job applications in real time.
- Created features for employers to post jobs, filter candidates, and manage applications.
- Addressed market challenges by providing efficient job opportunities for workers and employers.
- Launched a user-friendly platform with secure authentication and scalable deployment.

Cinephile AI **cinephile-ai.web.app**
    Technology: *React, Node.js, Firebase*
- Developed an AI-powered movie recommendation platform using React 19 , Node.js, and Google Gemini AI for smart suggestions.
- Implemented Firebase Authentication, TMDB API, and Redux Toolkit for state management and optimized performance.
- Enabled seamless movie trailer and website viewing within the app, enhancing the user experience without tab switching.

AI Virtual Keyboard **github.com/Devmangrani/AI-Virtual-Keyboard**
    Technology: OpenCV, Python
- Created an AI-powered virtual keyboard controlled via hand gestures using OpenCV and CVZone.
- Enabled real-time gesture tracking and precise keystroke simulation with PyNput.
- Utilized computer vision for image processing, video capture, and live feed display.
- Implemented advanced machine vision, image processing, and real-time techniques for seamless functionality.

CERTIFICATIONS

- MERN Full Stack Completion Certificate.
- Google Cloud Computing Foundation.

ADDITIONAL INFORMATION

- Solved 450+ DSA Problems on Both platform Leetcode And GFG. Earned 30+ Google Cloud badges.
- Led as Club Event Manager, organizing college events that boosted student engagement and participation.
- Strong interpersonal and leadership skills, with a passion for digital transformation in energy and sustainability-driven technology solutions, demonstrated through open-source contributions and stakeholder engagement.