

Manish Gupta

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EDUCATION

Himgiri Zee University

Bachelor Of Technology (Computer Science)- 8/10 CGPA

Dehradun, India

2019 - 2023

TECHNICAL SKILLS

Programming Languages: JavaScript, Golang, C++, Node.js, HTML, CSS.

Libraries and Tools: React.js, Express.js, Tailwind, Git, Postman, CLI, Vercel, Next.js, Vite

Database: MongoDB

WORK EXPERIENCE

Associate Software Developer

09-2024-Present

Pearl Organisation – Dehradun, India

- Engineered scalable **RESTful APIs** with **Node.js** and **Express.js**, enhancing performance by 30% and ensuring seamless backend integration.
- Developed modular **UI components** using **React.js** and **Vite**, optimizing rendering and improving load times by 40%.
- Designed robust data models with **MongoDB** and **Mongoose**, optimizing queries and reducing database response times by 25%.
- Implemented custom **middleware** in **Node.js** and **Express.js** for logging, authentication, and error handling, enhancing application security and maintaining consistent performance across API endpoints.

Software Developer Intern

Greenie Web – Remote, Singapore

01/2023- 05/2023

- **Enhanced application performance by 25%** through strategic optimizations, showcasing strong problem-solving and analytical skills.
- **Researched and implemented innovative UI designs**, contributing to the frontend development using HTML, CSS, and JavaScript, creating an engaging and user-friendly interface.

PROJECTS

Book Store -(MERN)

- **Developed a scalable online book library** using the MERN stack, enabling users to purchase and read books online, effectively handling over 10,000 active users.
- **Implemented efficient user authentication** and secure payment integration, ensuring data security and a seamless purchasing experience, resulting in a 30% increase in user retention.
- **Optimized database queries with MongoDB**, reducing response time by 40%, enhancing the overall user experience by providing quick access to a vast collection of digital books.

Person Detection App -(Next.js, TensorFlow)

- **Engineered a real-time Person Recognition App** using TensorFlow and the COCO-SSD model, enabling accurate differentiation between humans and other objects with 95% precision.
- **Integrated live update functionality**, allowing continuous monitoring and recognition, efficiently processing video streams with minimal latency, supporting over 500 concurrent sessions.
- **Optimized object detection algorithms**, reducing false positives by 20%, enhancing the reliability and performance of the application in diverse environments.

CERTIFICATIONS

- JavaScript Assessment - Hackerrank
- MongoDB with NodeJS – MongoDB
- JavaScript Data Structures and Algorithms – Free Code Camp