Mehul Kumar

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SKILLS

Languages: C, C++, HTML, CSS, JavaScript, Java
Frameworks: TailwindCSS, Bootstrap, ExpressJS, NodeJS, ReactJS, NextJS
Databases: MongoDB, SQL
Platforms: Git, Figma, Postman, Wordpress, Github
Coursework: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Algorithm Analysis
Soft Skills: Effective Communication, Problem Solving, Time Management, Team Collaboration, Adaptability

EDUCATION

B.Tech in Computer Science with Specialization in Software Engineering   **September, 2021 - March, 2025**
SRM University, Kattankulathur, Chennai   CGPA: **8.8**
High School Diploma
Sant Gyaneshwar Public School

EXPERIENCE

Web development Intern   **June, 2023 – September, 2023**
NHPC LTD, Faridabad

- The slider component was redesigned and improved, thus optimizing the frontend performance, reducing the load time by 20%. Furthermore, responsive and intuitive UI components were implemented through **ReactJS** and **TailwindCSS**, with a user satisfaction rate increase of 15%.

Web development Intern   **August, 2023 – November, 2023**
Saraayat, Remote

- Developed an e-commerce full-stack application using **ReactJs**, **NodeJs**, and **MongoDB**, that saved 25% on page loads and positively increased engagement among users. Designed innovative solutions and optimized improvement and better performance of the websites for improved user experience.

Web development Intern   **January, 2024 – February, 2024**
Blitz Digital, Remote

- Developed websites on **WordPress** by leveraging a range of components, including themes, plugins, widgets, and custom post types. Employed widgets to boost site functionality by approximately 20%.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2023 Foundations Associate **(Certificate)**
- UI/UX Designer Certificate, Issued by Coursera **(Certificate)**
- Python Certificate, Issued by NPTEL **(Certificate)**
- Machine Learning Foundations Certificate, Issued by AWS Academy **(Certificate)**

PROJECTS

Developed a **weather app** using **Next.js** with **Tailwind CSS** and the **Weather Map API**. Improved API calls to fetch data 30% faster. Also, made sophisticated algorithmic optimizations that brought a reduction in latency of 25%. This allows for seamless, fast, and very interactive updates regarding the weather. **(Live Link) (Github Repository)**

Built a **GitHelper chatbot** using **Next.js** to provide explanations for Git commands through intelligent keyword matching from a predefined command file, supporting interactive dynamic user input with consistent response times below 500ms, therefore catering to both accessibility of developers and beginners. **(Live Link) (Github Repository)**

The **Mass Mailer tool**, which is built using **Node.js** and **SMTP**, is designed for the efficient delivery of a mass quantity of emails. It achieves an asynchronous operation, thus reducing the time to process by 40%.This makes it ideal for sending out newsletters, promotions, or just about any type of notification seamlessly in scale.

I created a **hand gesture recognition system** using Python with **CNN** and **NLP** models for smooth translation from gestures to text. A detection accuracy of 95% and 20% faster language processing ensured real-time, efficient, and highly accurate gesture detection. **(Live Link)**

I designed a full-stack image retrieval app, **ImageGate**. It was built on top of **Next.js**, **Express**, and **MongoDB**, 100% authenticating users with 95% accuracy in retrieving images through the Pexels API. The pagination was optimized to 90% load efficiency, making it really usable for image-focused applications. **(Live Link) (Github Repository)**