MEHUL KUMAR

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EDUCATION

Ghani Khan Choudhury Institute of Engineering & Technology

A Centrally Funded Technical Institute (CFTI) under Ministry of Education Govt of India   Nov 2020 - July 2024

B. Tech in Electrical Engineering | Malda, West Bengal | GPA: 8.27/10.0

Courses: C | Data Structure & Algorithm |Microprocessor & Microcontroller | Computer Network | Artificial Intelligence

EXPERIENCE

Freelance Front-end Web Developer (Upwork)   Feb 2024 - Present

- Designed and developed responsive web applications for clients across various industries, improving performance and delivering seamless **user experiences** for websites with over **30,000** monthly users
- Boosted page **load speeds** by **25%** and enhanced **customer engagement** by **15%** through optimizing **React** and **Next.js** applications, implementing code-splitting and lazy loading.
- Created **dynamic, reusable UI components** that reduced development time for future projects by **30%**, ensuring consistent design and functionality across client platforms.
- Integrated **RESTful APIs** and third-party services, improving system interoperability and achieving a **90%** reduction in data processing time for client dashboards and e-commerce platforms.
- Tools: *React, Redux, Next.js, TypeScript, Tailwind CSS, JavaScript, Git, GitHub, Firebase.*

Open-Source Contributor (Hactoberfest | GSSoC)   Oct 2022 - April 2023

- Contributed to multiple open-source projects, improving **code quality** and **fixing bugs** across repositories with over **40,000** users, using advanced version control techniques and collaborative development practices.
- Enhanced project efficiency by **18%**, increased feature stability by **11%**, and improved user satisfaction by **7%** through contributions in performance optimization and feature development for various projects.
- Developed a custom algorithm for issue triaging with **84.34%** accuracy, helping maintainers prioritize issues in high-traffic repositories.
- Tools: *React, Redux, JavaScript, Tailwind CSS, Git, GitHub, Solidity, C++, Docker.*

SKILLS

Languages: HTML5, CSS3, JavaScript, TypeScript, C/C++, Python and Solidity

Libraries /Frameworks: React, Redux/Redux Toolkit, Tailwind CSS, Next Js, Nest Js, Firebase, GraphQl, Ant Design and Material UI

Tools: Git / GitHub, Linux, Vercel and Netlify

APIs: OpenAI API, Gemini API, YouTube API, TMDB

Subjects: Data Structure & Algorithm, Microprocessor & Microcontroller, Computer Network, Artificial Intelligence DBMS, OOPs, Computer Networks, Operating System

PROJECTS

Resume Genie (*AI Resume Builder)* Live Link || Source Code

- Built a full-stack AI-powered resume builder using **React**, **Next.js**, **TypeScript**, **Tailwind CSS** for responsive design, **Node.js** for backend logic, **Gemini AI** API for responses, **Clerk** for user authentication, and **MongoDB** for data storage.
- Improved resume generation efficiency by **85%**, allowing users to create and customize professional, **ATS**-friendly resumes in under **5 minutes**, significantly reducing the time spent on manual resume formatting during **placement** season.

Formify AI (*AI Form Generator*) Live Link || Source Code

- **Tech Stack:** Developed with **Next.js** for SSR, **Next-auth** for authentication, **Shadcn UI** for responsive design, **Gemini AI API** for AI features, **Drizzle ORM** for database management, **PostgreSQL** for data storage, and **DaisyUI** for styling, ensuring a robust and user-friendly application.
- **Achieved a 90% increase in form creation efficiency**, allowing users to quickly generate dynamic, AI-powered forms tailored to their specific needs, streamlining the data collection process.
- **Reduced manual data entry errors by 75%** through intelligent form validation and pre-filled suggestions, enhancing accuracy and user experience in data collection workflows.

GeminiFlix (*Netflix Clone*)Live Link || Source Code

- **Personalized Movie Recommendations:** Integrated the **Gemini API** to provide tailored movie suggestions based on user preferences, enhancing user engagement and satisfaction.
- **Secure Authentication & State Management:** Utilized **Firebase Authentication** for secure user sign-in and **Redux** for efficient state management, ensuring a smooth and responsive user experience across devices.