

RAKESH KUMAR

+91-7290948939 | rakesh.kumar250402@gmail.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

EDUCATION

SRM University Sonipat, Haryana
B.Tech in Computer Science and Engineering 2019 - 2023
D.A.V Centenary Public School Narela, Delhi
Class 12th 2018 - 2019

PROJECTS

Google Docs Clone May 2023
React.js, Tailwind CSS, Firebase, JavaScript, Draft.js

- Created a document editor inspired by Google Docs. Implemented functionalities of Draft.js, PDF maker, and react-draft-wysiwyg.
- Used Tailwind CSS to create custom styles. Enabled user authentication using Google accounts.
- Automatically saved user data to respective accounts. Allowed users to download their work in PDF format.
- [GitHub](#) [Live Demo](#)

Twigal-Messaging Web App Jan 2023
React.js, Tailwind CSS, JavaScript, Google Firebase, Figma, OpenAI

- Developed a clean and minimal UI design to enhance user experience. Implemented Firebase email and Google authentication for user sign-up/sign-in.
- Utilized Firestore to store user messages and other media. Styled the application using the Tailwind CSS framework.
- Provided features such as sign-in/out and media sharing. Integrated APIs like Newsdata.io and imgflip.com to fetch news, memes, and GIFs.
- Created an inbuilt music player for user enjoyment. Performed CRUD operations for account management, ensuring real-time updates for user details.
- Integrated ChatGPT using the OpenAI API for enhanced messaging features. Implemented a post/feed feature allowing users to share thoughts and media.
- [GitHub](#) [Live Demo](#)

SKILLS

- **Languages:** C/C++, Python, JavaScript (ES6+)
- **Frontend:** React.js, HTML, CSS, Tailwind CSS, Material UI
- **Backend:** Node.js
- **Databases:** PostgreSQL, MongoDB, SQL
- **Tools:** Git/GitHub, Linux, Google Firebase, Vite, PuTTY, Google Maps API

CERTIFICATIONS

- **Coursera:** Front-End Web Development with React
- **Flipkart Grid - 2022:** Software Development Challenge Participation Certificate
- **Accenture:** Developer Virtual Experience Program

EXPERIENCE

Echno Technologies Pvt Ltd Bangalore, Karnataka
Software Engineer Oct 2023 - Present

- Developed backend systems using **Node.js**, **PostgreSQL**, and **MongoDB**, ensuring robustness and scalability. Implemented JWT token authentication for enhanced security.
- Implemented strategic API optimizations, including pagination and request reduction techniques, resulting in a **20%** decrease in server load and **40%** improvement in response times.
- Developed a service to optimize sales routes for retailers, enabling efficient weekly coverage with **shortest paths** for sales teams.
- Integrated dynamic mapping features with **Google Maps services** for improved user experience. Implemented route creation functionality and optimized map performance using clustering techniques.
- Collaborated on integration testing to ensure synchronized functionality between web and mobile applications.
- Worked on Python scripts for scraping websites using Selenium and Playwright, automating data retrieval and processing.
- Explored working with LLM models using Ollama, integrating models like LLaMA 3 for website scraping and PDF summarization.

- **Echno Technologies Pvt Ltd** Bangalore, Karnataka
React.js Developer Intern July 2023 - October 2023

- * Created responsive frontend components with **React.js**, managed application states efficiently with **Redux/Redux Toolkit**, and styled interfaces using **Material UI**.
- * Utilized Google Maps API to integrate mapping features into web applications.