

Nitesh Kumar Rai

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Summary

Highly skilled Full-Stack Developer proficient in modern web technologies like React, Flask, NodeJS, ExpressJS, SQL and NOSQL Databases. Adept at designing and implementing scalable applications, consistently delivering solutions that enhance performance and user experience.

Technical Skills

Programming Languages: JavaScript, Python , TypeScript

Tech Stack: ReactJS, Redux, NextJS, Flask, SQL, Docker,MongoDB, ExpressJS, NodeJS,Material UI

Languages: English, Hindi

Experience

TATA CONSULTANCY SERVICES LTD. | July 2022 - Present

- Built an efficient reporting system for advisory adoption, time-series trends, and efficiency, providing real-time insights that helped increase production efficiency by 1% and boost revenue.
- Designed a full-stack Equipment Health Monitoring System that analyzes sensor data and predicts asset failures using a pre-trained model. Developed an intuitive interface and strong back-end to provide real-time insights for maintenance.
- Built a UI for product simulation, allowing users to modify material grades, assess feasibility, and analyze environmental impact like carbon footprint of the final product.
- Developed a UI that brings together open-source approved models, allowing users to register, access, and interact with them easily. The platform provides key details like the model's purpose, size, and specs, and the URL can be used for integration anywhere.
- Developed a code generator UI that takes user prompts and writes code in various programming languages. The platform can also find bugs, explain code, and allows users to interact using voice through its voice-to-text feature.
- Created a UI that generates new data based on existing datasets, trains models by adjusting various hyperparameters, and tests the results to evaluate the effectiveness of the trained models.
- Developing an AI-powered document and media summarization platform with an interactive chat UI. It allows users to summarize and query text documents, caption audio/video files, and engage in context-aware conversations based on the media. The system leverages LLMs for intelligent insights, making information retrieval seamless and efficient.

Education

Government College of Engineering and Ceramic Technology, India (July 2018 - June 2022)

Bachelor of Engineering, Information Technology | Cumulative GPA: 9.11/10