

KIRUBAVATHI V M

Full Stack Web Developer

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Summary

Full Stack Web developer with expertise in building dynamic and interactive user interfaces using React.js and Next.js, as well as backend development with Python and Django. Collaborated with backend teams to integrate APIs and enhance website functionality. Managed project workflows effectively using Git/GitHub for version control and Jira for task tracking. Adept at creating efficient, secure, and scalable web solutions, ensured cross-browser compatibility, and optimized performance for a seamless user experience.

Technical Skills

Programming Languages: JavaScript, TypeScript, Python

Libraries/Frameworks: React.js, Next.js, Django, SASS

Tools / Platforms: Git, GitHub, VS Code, Jira

Databases: SQL

Experience

TITO, Chennai, Tamil Nadu

January 2023 - Present

Front-End Developer

- Developed responsive and interactive user interfaces using **React.js, Next.js, JavaScript, TypeScript, Bootstrap, HTML, CSS, and SASS**.
- Integrated **RESTful APIs** to enhance application functionality and improve data handling. Configured secure API interactions in Next.js using environment variables for efficient and safe data processing.
- Implemented user authentication using Context API and cookies for secure token storage. Developed custom hooks to manage user preferences and improve state management.

Professional Project

Data Normalization

Developed a web application named **Hydra Save** (www.hydrasave.com) for Nitto. This data normalization tool enables users to input raw data, which is processed and displayed in graphical and tabular formats. The user-friendly interface facilitates easy data visualization and analysis, helping users gain valuable insights from their data.

Front-end Development

- Built dynamic user interfaces by integrating **React.js components** with the **Next.js framework**.
- Implemented user authentication using **context API** and developed **custom hooks** to manage and retrieve user preferences. Focused on optimizing the front-end performance by implementing lazy loading, resulting in faster load times.
- Configured API integrations in Next.js utilizing environment variables for secure data handling.
- **TechStack:** *React.js, Next.js, Python, Django, MySQL*

Personal Project

AI Chatbot

Developed an AI chatbot using **Ollama's LLM** (Llama 3.1), integrated with **Langchain**, to create a dynamic conversational model.

Features:

- Utilized **Streamlit** for the user interface, allowing users to interact with the chatbot easily. Designed a chatbot, positioning it as a friendly AI assistant for user queries.
- Implemented a **prompt template** facilitating engaging conversations between the AI and users. Ensured the output was clean and readable by **removing special characters** from the responses.
- The chatbot dynamically processes user inputs, delivering relevant and **context-aware** real-time responses.
- **TechStack:** *Streamlit, Ollama's LLM (Llama 3.1), Langchain*

Education

Green Tech College of Engineering for Women, Salem, Tamil Nadu

2014 - 2018

B.E in Computer Science and Engineering

CGPA: 8.24/10

Additional Information

- **Languages:** Tamil and English