

Utkarsh Singh

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🌐 <https://github.com/utkarshhh17>

EDUCATION

10th Standard

Army Public School
90.6%

2019
Bengaluru, India

12th Standard

Army Public School
94.2%

2021
Bengaluru, India

B.E. - Information Science & Engineering

M.S. Ramaiah Institute of Technology
8.5

2021 – present
Bengaluru, India

SKILLS

- Core (Operating System, Database Management System, Data Structures, Computer Networks)
- Database (SQL, MongoDB)
- Cloud(AWS)
- Languages (Java, JavaScript, C++, Python)
- Web Development(HTML, CSS, ReactJS, Tailwind, NodeJS)
- DevOps (Git, Docker, Nginx, Jenkins, Kubernetes)

CERTIFICATES

Web Development Bootcamp

Udemy

A.I. Foundation

Infosys

Cloud Computing Foundation

Google

PROJECTS

NutriVista

- Designed NutriVista, a comprehensive food information web application, aiming to enhance users' awareness of food products and their health implications.
- Leveraged ReactJS, Spring Boot, and AWS technologies to create a robust and user-friendly platform.
- Utilized Selenium for scraping food product details and Implemented MongoDB for efficient data storage.
- Increased user engagement by 20% within the first three months by providing detailed product reviews, ratings, and nutritional comparisons through a finely tuned Large Language Model.

Assistify

- Developed an Automated Customer Service Chatbot, enhancing customer interactions and support efficiency.
- Fine-tuned LLM model with QLoRA, tailored for customer service issues and implemented RAG technology, enabling LLM to access client PDFs with relevant data.
- Integrated React for the frontend, allowing customers to interact with the chatbot embedded in the client business website, which boosted user interaction by 25%.

Trackify

- Created a Price Tracker tool, ensuring seamless user experience for monitoring and tracking prices across multiple e-commerce platforms, aiding informed purchasing decisions.
- Leveraged Python for web scraping, Spring Boot for backend development, and ReactJS for frontend design, which reduced data fetching time by 30% and improved overall system performance by 20%.

GroupFlow

- Developed GroupFlow, a real-time Chat Application, fostering seamless communication and collaboration among users.
- Utilized ReactJS, Spring Boot, and AWS to create a scalable and reliable platform for real-time messaging.
- Implemented Spring Boot WebSocket for development, facilitating efficient data exchange between clients and servers.
- Connected to AWS for reliable hosting, scalability, and cost optimization, ensuring uninterrupted service delivery, and achieving a 99.9% uptime.