

Ratish Kapoor

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SUMMARY

Computer Science Engineering student specializing in front-end web development, UI/UX design, and emerging AI technologies. Proficient in Java, C/C++, and Python, with hands-on experience in HTML, CSS, JavaScript, Node.js, and React.js. Skilled in crafting interactive, user-centric interfaces using Figma. Passionate about AI, with practical expertise in LangChain, Streamlit, and leveraging large language models (LLMs) to build AI-powered applications. Adept at collaborating within diverse teams and contributing effectively to projects.

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java

Development Languages: HTML, CSS, JavaScript

Libraries & Tools: React.js, Node.js, Tailwind CSS, Langchain, Langflow, Streamlit, MongoDB, MySQL, SQL Plus, Git/Github, REST APIs, RAG, LLMs

Design Tools: Figma (UI/UX Design, Prototyping)

EXPERIENCE

Summer Intern

Ernst & Young (EY)

May 2025 – June 2025

On-Site

Collaborated within a cross-functional team on GitHub to design and develop an AI-powered Travel Agent prototype using Generative AI (LLMs) and LangChain, achieving 100% personalized itineraries from 10+ travel blogs and improving itinerary relevance and accuracy by over 10% through enhanced retrieval-augmented generation (RAG) techniques.

Presented the final solution to senior leadership as part of an innovation showcase.

React Developer Intern

MonoSpace

January 2025 – March 2025

Remote

Developed core frontend features for Moodboard, an infinite canvas and leaderboard for their product, using React.js, CSS, and Tailwind CSS, achieving a 15% reduction in load times and enhancing UI responsiveness for complex interactions.

Collaborated with designers via Figma and engineers via GitHub to ensure intuitive UX and seamless UI delivery.

Development Lead

CYSCOM VIT

September 2024 – Present

VIT Chennai

Led the frontend redevelopment of the CYSCOM VIT website among other websites using React.js and Tailwind CSS to enhance design consistency and user experience.

Marketing Member

QUBIT-TECHNO VIT

August 2023 – October 2023

VIT Chennai

Supported event marketing initiatives, increasing visibility and engagement for Techno VIT.

UI/UX Member

Linux Club

August 2024 – July 2025

VIT Chennai

Supported marketing efforts and contributed to frontend development and design needs for club events.

EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science

Chennai, Tamil Nadu

2023 – 2027

Delhi Public School

CBSE 12th Grade

Gurugram, Haryana

2023

PROJECTS

Frontend Development Projects

Technologies: HTML, CSS, JavaScript

Calculator, Weather App, Game Hub, Portfolio Website, IP-Calculator, Private and Public cloud UI(with some backend part), etc.

E-commerce Website: Street Sneaks

Technologies: React.js, Tailwind CSS, Backend Integrations, Figma

Designed and developed the entire user interface, integrating backend functionalities where needed.

Advanced To-Do List in React

Technologies: React.js, Redux, LocalStorage

Built a feature-rich to-do list application with drag-and-drop reordering, persistent storage, and advanced filtering options.

Implemented Redux for state management and optimized performance for smooth UI interactions.

Women Safety App Designs

Technologies: Figma

Designed UI/UX wireframes and interactive prototypes for a health and women safety application in Figma.

Focused on user-friendly navigation, accessibility, and seamless mobile-first design.

Briefly: PDF answering chatbot

Technologies: Streamlit, Langflow, Gemini API, Langchain, Vector RAG, MongoDB

Developed a web app in which you upload a PDF or a file and it will read and analyze and store the data in the MongoDB server and then it can answer questions based on the PDF and can give summary with the help of Gemini API and Langchain.

Integrated Gemini APIs to generate concise summaries from user-submitted PDFs.

Designed an intuitive UI/UX with Streamlit for a modern reading experience.

AI Travel Agent

Technologies: LangChain, Streamlit, Google Gemini API, ChromaDB, Vector RAG, Amadeus API

Built an AI-powered conversational travel assistant that generates personalized itineraries for Dubai.

Ingested multiple travel blogs into a Chroma vector database to enable retrieval-augmented responses.

Created an interactive Streamlit frontend integrated with LangChain agents for flight, hotel, and itinerary planning.

Each agent has its own designated role to fulfill such as giving flight recommendations hotel recommendations.

LANGUAGES

English

Hindi

French(Basic)