Saurav Kumar Suman

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Education

Amity Institute of Information and Technology, Amity University Noida   06/2019 – 06/2024 | Noida, Uttar Pradesh India

Dual Degree (BCA + MCA)
- Relevant Courses: Software Engineering, Data Structures and Algorithm, Computer Networks, DBMS.

Higher secondary (XIIth Science) CBSE   03/2018 – 04/2019 | Bhagalpur, Bihar India
- Relevant Courses: Mathematics, Physics, Chemistry, English

Technical Skills

Programming Languages: Python

Database and Web Technologies: HTML, CSS, SQL

Frameworks/Cloud Platform: FastAPI, Flask, Azure, Groq-cloud, Streamlit, LangGraph

Developer Tools: Visual Studio, VS Code

Libraries: pandas, NLTK, langchain, LLM, OpenAI, Azure AI search, Azure Cognitive Service, Generative AI, LangGraph

Experience

Web Developer Intern   06/2023 – 07/2023 | Faridabad, India

LISAT Solutions
- Developed website layouts using HTML5, CSS3, and ReactJS.
- Enhanced an e-commerce website with better performance and improved user experience.
- Produced responsive pages and visuals elements for multiple platforms.
- Delivered fast, mobile-friendly and user-centric online store interfaces.

Web Development Intern   06/2021 – 07/2021 | Meerut, India

One17 Technologies
- Created and updated website pages using HTML and CSS.
- Added login, signup, and password recovery pages.
- Optimized the home page to make it more user-friendly.
- Integrated firebase for managing user data and connecting all application pages.

Projects

AI-Powered Conversational Agent

Python, LangGraph, Streamlit
- Developed an AI-powered conversational agent using FastAPI and Streamlit, integrating Groq-hosted large language models (LLAMA 3, gemma-7b-it & llama3-8b-8192) via LangGraph. Added real-time search capability using the Tavily API to improve response accuracy. Built an interactive interface that allows users to customize prompts and select models, ensuring smooth frontend-backend integration using RESTful APIs and optimized message handling for scalability.

AI-Document Search Query

Python, LLM, OpenAI
- Created an AI-based document search engine using Python and Flask, where document data is converted into vector embeddings and stored in a vector database for efficient retrieval. Implemented a Generative AI text embedding model to enhance document comprehension and relevance of search results. Integrated OpenAI APIs for advanced language processing and intelligent search queries. Optimized performance to handle large-scale document datasets effectively.

Web Application of Attendance Tracker

PHP, MYSQL
- Built a web-based Attendance Tracker using PHP and MySQL with interactive dashboards for students and faculty. Included secure login authentication for teachers to record attendance and for students to view their status in real time. Added visual reports to help faculty analyze attendance trends. Ensured reliable database storage for accurate long-term record management.