Siddhant Tiwari

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SUMMARY

Passionate Software Engineer skilled in frontend technologies like HTML5, CSS, JavaScript, Python, React, C++, SQL databases and Software development, communication skills. Adept at analyzing complex problems, and developing innovative solutions, and collaborating with cross-functional teams to deliver impactful results.

EDUCATION

BE in Computer Science and Engineering   Oct '20 – Jun '24
Chandigarh University | **Mohali, India**
CGPA: 8.33 / 10

MS in Artificial Intelligence for Industrial Applications   Oct '25 – Present
Ostbayerische Technische Hochschule Amberg-Weiden | **Amberg, Germany**

Work Experience

Junior Engineer – Evalueserve Pvt. Ltd.   Aug '24 – Sep '25
Gurugram, India
Project: Generative Artificial Intelligence (GAI-Rbot)

- Contributed as a core member of the development team that built **GenAI Research Bot**, a **React-based** application designed to help users **extract actionable insights** from key documents, streamline decision-making.

- Spearheaded the development of a **real-time upload functionality**, delivering end-to-end implementation.

- Designed and implemented the **Chat History** functionality within an enterprise chatbot component without relying on external APIs. Leveraged **parent-child *callback* mechanisms** to enable real-time data exchange, allowing the parent application to store and dynamically inject historical data into the chatbot UI.

- Developed an advanced **Date Filter** mechanism to enhance the chatbot's **semantic search** capabilities. Integrated with a **vector database** to generate and store date-aware embeddings, enabling users to filter responses based on temporal context and retrieve more accurate, time-specific results.

- Designed **dynamic image-based visualizations** to represent complex chatbot responses in a more structured and user-friendly format, improving comprehension and engagement.

  Key Technologies and Libraries Leveraged:

- React: For UI development.

- Redux: For state management.

- ApexCharts: data visualizations for web pages.

- VectorDB: To store Embeddings.

Engineering Intern – Evalueserve Pvt. Ltd.   Feb '24 – Jul '24
Gurugram, India
Project: Generative Artificial Intelligence (GAI-Rbot) [**Internship Letter**]

- Gained valuable hands-on experience with a diverse range of technologies and frameworks.

- Developed Python scripts to analyze documents and charts with high accuracy using **OpenAI LLMs and LangChain.**

- Implemented a **Proof of Concept (POC)** on Azure Document Intelligence to extract layout and text from tables within documents.

- Outcome: **Achieved over 90%** improvement in table extraction accuracy compared to previous IDP system (Aspose).

- Successfully adopted and deployed the solution within the project.

KEY SKILLS

Languages:	Python, JavaScript ES6, C++
Front-end Technologies:	ReactJS
Back-end Technologies:	FastAPI Framework
Databases:	MS SQL Server, Vector ChromaDB
Generative AI Technologies and Tools:	OpenAI, LangChain, Google Colaboratory
Interpersonal Skills:	Problem Solving, Communication, Leadership, Team Work

PROJECT

Study Buddy: A Full-Stack Agentic ChatBot   Aug '23 – Oct '23

- Developed a basic yet intelligent, agentic chatbot capable of dynamic task handling and multi-step reasoning.
- Built the front end using **React for a responsive and modular UI.**
- Backend APIs through **FastAPI** to ensure high-performance, asynchronous communication.
- Leveraged **LangChain's agent architecture and OpenAI's** language models to orchestrate complex workflows, enabling the chatbot to reason over tools, APIs, and memory for enhanced problem-solving and context awareness. [**Project**]

Achievements/Leadership Experiences

- Successfully cracked **GATE Examination.** [**Certificate**]
- Solved over 500+ problems on **LeetCode** and **GFG** combined.
- Achieved over **300 Geekbits and SWAGS** for consistently solving problems everyday for 200+ days.