BALAJI R

STUDENT | SDE

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SUMMARY

Aspiring AI/ML Engineer with strong foundations in Python, Machine Learning, and Cloud (AWS). Proven experience in leading mini-projects, organizing tech events, and actively contributing to open-source. Passionate about solving real-world problems through innovative technologies.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL

Web Development: HTML, CSS, JavaScript, React

Software Tools: Git, Figma, MLFlow, Linux

Cloud Technologies: AWS

Databases: MySQL, ChromaDB

PROJECTS

Askdocs AI   https://github.com/Balaji-R-05/askdocs-ai

Python, Langchain, Chromadb, Streamlit

- AI-powered chatbot that leverages RAG (Retrieval-Augmented Generation) to answer your questions based on the content of uploaded PDFs
- Integrated document parsing, vector embeddings, and intelligent query handling, enabling seamless Q&A from academic and technical documents.

AI Agent Chatbot   https://github.com/Balaji-R-05/ai-agent-chatbot

Python, Streamlit, Langchain, LangGraph, Chromadb

- Developed a multi-model conversational AI chatbot using Streamlit, LangChain, LangGraph, and FastAPI, enabling dynamic interaction optional real-time web search.
- Implemented system prompt customization, model selection, and session-based chat history.

EDUCATION

Bachelor of Technology, Information Technology   **September 2023 - Present**

St. Joseph's Institute of Technology

- **CGPA: 9.24 / 10**
- Achieved top academic performance, demonstrating strong analytical and problem-solving skills.
- Part of the organizing team for a national-level symposium, showcasing leadership, teamwork, and event management abilities.

PROFESSIONAL EXPERIENCE

Intern - Academor   **June 2024 - August 2024**

- Skills - Python, ML
- Conducted research and collaborated with a team to develop a report on AI applications in logistics.
- Created an AI-powered website blocker to prevent malicious website.

ADDITIONAL INFORMATION

- **Languages:** Tamil, English
- **Certifications:** NPTEL certification in Python, Java and Machine Learning.
- **Awards/Activities:** Academic Branch Topper, Won multiple internal coding contest.