MAHI SIDDA

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EDUCATION

Master of Science in Information Technology Dec 2025

Arizona State University, Tempe, AZ 4.11 GPA

Ira A. Fulton Schools of Engineering

Bachelor of Technology in Computer Science July 2022

GITAM University, Hyderabad, India CGPA: 8.85/10

WORK EXPERIENCE

Machine Learning Intern: HashMint, Banglore, India June 2023- Dec 2023
- Developed a sophisticated chatbot using OpenAI's API and LangChain libraries, leveraging PyMuPDF for text extraction, Huggingface for vector storage, and FAISS for accurate information retrieval.
- Utilized modern NLP techniques, including text embeddings and retrieval models, to create a robust, user-friendly application for efficient document interaction and information retrieval.

PROJECTS

MintPDF: Hashmint, Banglore, India
- Developed an Android application, MintPDF, leveraging Kotlin and Android Studio.
- Integrated OpenAI API for enhanced functionality and used RealmDB for efficient local data storage
- Implemented frontend features using Jetpack Compose, focusing on a seamless and intuitive user experience.

Online Voting System: GITAM, Hyderabad, India
- Designed an application that automate the election system
- Developed web-based election system that can implement the voting process in Django using SQLite3
- Used in GITAM GQC Club to elect representative which saved resources like paper, time, cost, etc

Experimental OS(ExpOS): GITAM, Hyderabad, India
- Built a minimal OS from scratch
- Implemented shell, system calls, loading and execution of application programs, etc

SKILLS

Natural Language Processing, OpenAI API,LangChain Libraries, FAISS (for information retrieval), Hugging Face Embeddings, Character Text Splitting, Conversational Retrieval Chains, Streamlit (for web application development), Python, File Compression and Handling , Prompt Engineering Data Analysis and Retrieval Models API Integration,HTML, CSS, Django, Java,ThreadPoolExecutor, Andriod Studio.