SINU BABY

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• github.com/sinuarlowbaby

SUMMARY

- Innovative Master of Computer Applications (MCA) student specializing in Generative AI and Python Development. Proven track record in building scalable backend systems using Django and FastAPI. Passionate about leveraging Large Language Models (LLMs), RAG, DevOPs and modern software engineering principles to solve complex problems. Eager to contribute to AI-driven software solutions.

EDUCATION

Master of Computer Applications (MCA)   **2025 - 2027**
SRM Institute of Science and Technology, Kattankulathur
- Specialization in Generative AI

Bachelor of Computer Applications (BCA)   **2022 - 2025**
CM College of Arts and Science, Nadavayal
- Learned Web Development and Project Management.

PROJECTS

OneIDE - Collaborative Online Compiler | Django, Python, MySQL, HTML/CSS

- Architected a full-stack online compiler platform allowing users to write and execute code in real-time.
- Implemented secure user authentication and session management using Django's built-in auth system.
- Developed a "Guest Mode" feature to enable immediate code execution without mandatory registration.

Custom RAG Chatbot (Prototype) | Python, LangChain, LLMs

- Developing a conversational AI agent utilizing Retrieval-Augmented Generation (RAG) to answer queries based on custom datasets.
- Implemented efficient vector search to retrieve relevant context for user queries.

TECHNICAL SKILLS

- **Technical Skills:** Python (Advanced), SQL, JavaScript, HTML5, CSS3
- **AI & GenAI :** Generative AI, RAG (Retrieval-Augmented Generation), Prompt Engineering, LLMs
- **Backend Frameworks:** Django, FastAPI, REST APIs
- **Tools:** Git, GitHub, VS Code, Antigravity, Postman, Docker.
- **Databases:** PostgreSQL, SQLite, MySQL

ADDITIONAL INFORMATION

- **Technical Skills:** Project Management, Backend Development
- **Languages:** English, Malayalam, Hindi , Tamil
- **Internship:** AICTE internship in generative AI
- **Interest:** Active Participant in intercollegiate Hackathon and development challenges.
- **Fitness:** Dedicated to strength training and personal fitness goals.