Killiivalavan K A

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PROJECTS

D.A.I.S.Y ⤴

- Developed an offline voice assistant with wake word detection using Picovoice.
- Integrated LLaMA3 with Retrieval-Augmented Generation (RAG) for dynamic, factual responses.
- Implemented speech recognition and British-accented TTS using CoquiTTS for natural user interaction.
- Ensured full local execution without cloud dependencies for enhanced privacy

Simple-it ⤴

- Built a summarization tool supporting both audio recordings and PDF documents.
- Enabled output in text and audio formats for versatile content consumption.
- Used speech recognition and text extraction for input processing.
- Leveraged a locally hosted LLM for efficient, offline-friendly summarization.

TaleForge ⤴

- Built an offline, AI-powered story generator using Ollama and a locally hosted LLM.
- Created dynamic, user-driven narratives with real-time generation.
- Ensured zero internet dependency for fully local execution and privacy.

ParanoiaNet ⤴

- Developed a generative AI to create satirical conspiracy theories from a single user prompt.
- Utilized a locally hosted LLM via Ollama for offline, privacy-focused generation.
- Combined natural language processing with creative storytelling for humorous content generation.

Recode ⤴

- Built an AI-powered tool for automated code generation and iteration using the Groq API.
- Integrated Ollama-based local LLMs as a fallback for offline reliability.
- Enabled intelligent code enhancements and rewrites based on user input.
- Streamlined development workflows with fast, context-aware suggestions.

SKILLS

- **Languages:** Python, JavaScript, TypeScript, SQL
- **Frameworks:** React, Next.js, Tailwind CSS, FastAPI, Node.js, Express.js
- **Tools:** Git, GitHub, Docker, MongoDB, MySQL

CERTIFICATE

Artificial Intelligence Analyst - IBM

Introduction to Python - IBM

Cloud Application Developer - IBM

EDUCATION

SRM University   2021 - 2025

Bachelor of Technology - CSE