

KILLIIVALAVAN K A

Developer

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ABOUT ME

Full-stack developer with a strong foundation in Python, JavaScript, C, R, and HTML, blending web development with AI and data science expertise. Quick to pick up new tools, creatively driven with experience in Adobe Premiere Pro and FL Studio, and passionate about solving problems, learning continuously, and building innovative, intelligent solutions.

RELEVANT PROJECTS:

Dramatically Advanced Intelligence Serving You – D.A.I.S.Y.

Developed an offline voice assistant with wake word detection (OpenWakeWord), local LLM (LLaMA3 via Ollama), and RAG for dynamic, factual responses. Enabled natural interaction through speech recognition and British-accented TTS (StyleTTS2).

Movie Recommender System

Developed an intelligent movie recommendation system that suggests similar films based on content metadata such as genres, plot, cast, and crew. Utilized natural language processing to enhance recommendation accuracy and deliver personalized user experiences.

Summarizer

Built a flexible summarization tool that processes both audio recordings and PDF documents to generate concise summaries in text and audio formats. Leveraged speech recognition, text extraction, and a locally hosted large language model to deliver efficient, offline-friendly summarization.

Story Generator

Built an offline, AI-powered story generator using Ollama and a local LLM to create dynamic, user-driven narratives. Enabled real-time storytelling with zero internet dependency.

AI Conspiracy Theorist

Developed a generative AI that fabricates satirical conspiracy theories based on a single user prompt using a locally hosted LLM via Ollama, blending natural language processing with creative storytelling.

Code Iterator AI

Built an AI-powered tool for automated code generation and iteration using the Groq API, with Ollama-based LLMs as fallback. It enhances or rewrites code based on user input, streamlining development workflows through fast, intelligent suggestions.

Expense Tracker

Developed a basic expense tracker using Flask, HTML, CSS, and JavaScript. Designed and implemented features to add, view, update and delete expenses, providing a user-friendly interface for managing personal finances.

EDUCATION:

2021 – 2025 | SRM University

Bachelor of Technology – CSE with specialization in Artificial Intelligence & Data Science

SKILLS:

Technical Skill: JavaScript, React, Python, HTML, CSS, Tailwind CSS, Node.js, MongoDB, PostgreSQL, NoSQL, R, Adobe Photoshop, Adobe Premiere Pro, FL Studio

Languages: English, Hindi, Tamil, Telugu

Certifications: Artificial Intelligence Analyst – IBM | Introduction to Python – IBM | Cloud Application Developer – IBM