KARTHICKKUMAR S

Krishnagiri, Tamil Nadu

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Profile Summary

- Aspiring AI Engineer with hands-on experience in building production-ready Generative AI systems using **Python, FastAPI,** and **LLM APIs**.
- Skilled in **RAG and agentic AI workflows**, with practical cloud deployments and scalable AI microservices.
- Built **80+ AI, GenAI, and full-stack projects**, including multiple real-world production deployments focused on impact and reliability.

Skills

Languages: Python, Java
GenAI & Prompting: Agentic AI, Large Language Models (LLMs), LLM APIs, RAG
Tools & Platforms: Git, GitHub, VS Code, ChatGPT, Gemini
Cloud & Deployment: GCP, Vercel, Netlify, Render
Databases: Mongo DB, PostgreSQL

Experience

CODTECH IT Solutions – AI Intern   **June 2025 – July 2025**
- Designed and implemented a **real-time Speech Recognition System** using Python-based ML pipelines for audio-to-text conversion.
- Developed an **NLP Text Summarization system** to generate concise summaries from large text documents.
- Created a **GPT-2 Text Generation model** to generate human-like text using transformer architectures.

View Certificate

Projects

Code Archeologist | Agentic AI, Gemini 3, Next.js, FastAPI, MongoDB, System Design | Try it live
- Developed an **autonomous multi-agent AI system** for legacy code analysis, security remediation, and modernization.
- Implemented **agentic planning, execution, and self-healing loops** using Gemini 3.
- Built and deployed a scalable full-stack application with robust error handling and automated testing.

AI Storyboard Director | Python, Google Gemini API, Prompt Engineering | Try it live

- Built a **GenAI application** that converts film ideas into structured, scene-by-scene cinematic storyboards using Google Gemini.
- Applied **prompt engineering and JSON-structured outputs** to ensure consistent generation of timelines, camera angles, and dialogue.

Education

Shree Venkateshwara Hi Tech Engineering College   **Expected Graduation: 2027**
B.Tech/ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

CGPA: 8.39

Certifications

- AI for Business Professionals – HP LIFE   - View Certificate (2025)
- Internet of Things – IIT Kharagpur - View Certificate (2025)
- AI Agent Studio Foundations Associate – Oracle - View Certificate (2025)
- AI Tools & ChatGPT Workshop – be10X   - View Certificate (2025)