

KARTHICKKUMAR S

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SUMMARY

- AI Engineering student with strong hands-on experience building AI applications using Large Language Models, LLM APIs (OpenAI, Claude and Gemini) and agentic workflows.
- Delivered 90+ projects that includes autonomous agents, real-time AI systems, and full-stack AI products.
- Skilled in Python, FastAPI, and full-stack AI development. Seeking opportunities to build scalable AI systems that solve real-world problems.

TECHNICAL SKILLS

AI / ML: Large Language Models, LLM APIs (GPT, Gemini, Claude), RAG, Prompt Engineering, Agentic AI

Languages & Frameworks: Python, Java, FastAPI, Flask, React, REST APIs

Tools & Platforms: Git, GitHub, VS Code, ChatGPT, Gemini

Cloud & Deployment: GCP, Vercel, Netlify, Render, Railway

Database: MongoDB, PostgreSQL, Firebase

EXPERIENCE

Artificial Intelligence Intern

Hyderabad, Telangana, India

- Developed a **speech recognition system** using Python-based ML pipelines for audio-to-text conversion.
- Built an **NLP-based text summarization system** to generate concise summaries from large documents.
- Gained hands-on experience developing and applying machine learning models to real-world AI problems and workflow.

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PROJECTS

Nexus AI – Full-Stack AI Chatbot & Automation Platform

- Built a full stack AI platform combining conversational AI, workflow automation and analytics.
- Developed real-time, context-aware chatbot using GPT with WebSocket-based streaming.
- Implemented scalable backend with Flask, JWT authentication, and PostgreSQL.

Offline Code Agent – Privacy First Local LLM Assistant

- Developed an offline AI coding assistant using RAG and local LLMs for secure environments.
- Implemented vector search and AST-based code analysis.
- Enabled code understanding, bug detection, and automated test generation.

HACKATHONS & ACHIEVEMENTS

AI Autonomous Smart City Hackathon 2026 (Global) – Organizer & Lead

- Founded and organized a global AI hackathon focused on real-world smart city solutions.
- Led end-to-end execution including problem design, platform setup (Devpost), and participant onboarding.
- Secured sponsorship from Featherless.ai (>\$1000 in AI credits + prizes).
- Coordinated with international judges from industry (Apple, Amazon and IEEE members).
- Managed global participation across 15+ countries, including community engagement and evaluation workflow.

EDUCATION

Shree Venkateshwara Hi-Tech Engineering College

Erode, Tamil Nadu, India

B.Tech in Artificial Intelligence and Data Science

CERTIFICATIONS

- Global Innovation Build Challenge V1 – Devpost
- AI for Business Professionals – HP Life
- AI Agent Studio Foundations – Oracle
- Internet of Things – IIT Kharagpur