

# Karthikeyan V S

India, IN • (+91) 8072049860 • karthisanthi2001@gmail.com

As a **Generative AI and Full Stack Developer**, I aim to leverage my expertise in Python Flask, web development, API integration, and advanced generative AI frameworks like LangChain and LangGraph to build innovative and scalable AI-driven applications. My goal is to design and implement intelligent solutions, including Retrieval-Augmented Generation (RAG) systems, that enhance user experience and provide actionable insights through thematic analysis and state-of-the-art AI technologies. Passionate about solving complex problems, I strive to contribute to transformative projects that push the boundaries of AI and full-stack development.

## Experience

2023 – PRESENT

**Gen AI and Full Stack Developer | Tata Consultancy Service | Tamil Nadu, Chennai**

As a **Generative AI and Full Stack Developer**, I have been instrumental in designing and deploying **AI-driven solutions** leveraging frameworks like **LangChain** and **LangGraph**, enabling the development of intelligent, conversational applications and conducting thematic analysis of **call transcripts** using **GPT-4**. I have built and implemented **Retrieval-Augmented Generation (RAG) systems** to enhance knowledge retrieval accuracy and user query efficiency. On the **full-stack front**, I have developed scalable applications using **Python Flask** for backend and **HTML, CSS, and JavaScript** for client-side development, integrating APIs to ensure seamless communication between systems. Additionally, I have optimized application performance, reduced errors, and collaborated with cross-functional teams to deploy innovative **AI-enhanced web solutions**, driving impactful business transformations. My work also includes debugging and improving system reliability while staying abreast of emerging technologies in Generative AI and full-stack development.

## Skills

Skilled in developing scalable AI-driven applications • Proficient with project management software • Team player  
• Excellent time management skills • Conflict management • Public speaking • Data analytics

## Education

MAY 2023

**Bachelor of Electronics and Communication Engineering | V.S.B Engineering Collage | Tamil Nadu, Chennai**

Graduated with a CGPA of 8.46

## Activities

Environmental conservation • Art • Yoga • Travel