

PREM KASHYAP CHILAKAMARTHI

✉ prem.kashyap.0206@gmail.com | ☎ +91 9502645945 | 🌐 prem-kashyap.pages.dev
🔗 linkedin.com/in/prem-kashyap-chilakamarthi | 🐙 github.com/premkashyap004

Professional Summary

Full-Stack AI Developer with 2+ years of experience designing and building AI-powered applications. Experienced in full-stack development, deploying scalable solutions, and integrating intelligent systems into web applications. Skilled in containerization, CI/CD pipelines, and cloud deployments. Proficient in managing cloud resources and serverless workflows, with a focus on delivering efficient architectures and intuitive user experiences.

Work Experience

GenAI Developer, Sify Technologies

July 2023 – Present

- Developed multiple Generative AI proof-of-concepts, including storyboard generation, media enrichment, and assessment generation, and built a real-time voice-to-voice chatbot, Scout AI, for children using OpenAI frameworks
- Conducted AI-focused research and prototyping, scaling and integrating proof-of-concepts into LMS platforms and standalone applications
- Deployed full-stack applications (Python, React, Node.js) on EC2 and virtual machines, configuring Nginx, system services, and cloud components for reliable production operations
- Architected scalable AI workflows for storyboard generation using serverless cloud services to optimize concurrency, cost-efficiency, and multi-tenant support
- Privatized open-source AI models and deployed them on a private cloud for scalable inference using custom scripts, XInference, and vLLM

Projects

Skillflo – Multi-Tenant AI-Powered E-learning Platform

- Developed a scalable, serverless GenAI Services for e-learning platform using LlamaIndex, LangChain and AWS services including semantic search, assessment generation, storyboard generation, and AI-enriched media library (images, videos)
- Enabled multi-tenancy handling in all AI services across vector databases like ChromaDB and Qdrant
- Integrated advanced AI capabilities to enhance learning experiences and content personalization
- Implemented robust authentication and authorization systems for secure multi-tenant operations

Technical Skills

Languages: Python, JavaScript, TypeScript, Java

Frontend: React, HTML, CSS, Bootstrap

Backend: Node.js, Express.js, Flask, FastAPI

Cloud & DevOps: AWS, GCP, Docker, GitHub Actions, Kubernetes

GenAI Frameworks: OpenAI, LangChain, LlamaIndex, LangGraph, MCP, Langmem

Databases: MongoDB, ChromaDB, Redis, Qdrant, SQL

Certifications

- **AWS Certified Developer Associate** - View Certificate April 2023 - April 2026
- **Oracle Generative AI Certificate** - View Certificate July 2024 - July 2026

Education

B.E. in Computer Science and Engineering

Sri Sairam Engineering College, Chennai, Tamil Nadu, India

Aug 2019 – Apr 2023

CGPA: 9.28/10.0

Achievements

- Authored and Published "Chronic Kidney Disease Prediction Using Different ML Algorithms" in IEEE Xplore at the conference "2022 1st International Conference on Computational Science and Technology (ICCST)". - [View Publication](#)
- Placed 1st in the Mini-Project Expo for "Chronic Kidney Disease Prediction Using Different ML Algorithms" project.