

## SAMPURNA ATMARAMANI

Senior AI Solutions Architect | Generative AI | Agentic AI | Cloud Architecture

Pune, India | Email: s.atmaramani@gmail.com | Phone: +91 9323895896

LinkedIn: linkedin.com/in/sampurna | GitHub: github.com/satmaramani

## PROFESSIONAL SUMMARY

AWS Certified Solutions Architect - Professional with 20 years of enterprise architecture experience. Specialized in Generative AI, Agentic AI, LLM orchestration, AI agents, RAG, and semantic retrieval. Hands-on in Python AI engineering, vector databases, cloud-native architecture on AWS and Azure.

## CORE AI & ARCHITECTURE SKILLS

Generative AI, Agentic AI, Multi-Agent Systems, LLMops, Prompt Engineering, AI Automation  
RAG, Vector RAG, Vectorless RAG, Embedding Pipelines, Semantic Search, Knowledge Retrieval  
LangChain, LangGraph, CrewAI, Semantic Kernel, AutoGen, LlamaIndex, OpenAI API, Ollama  
AWS Bedrock, Azure AI Foundry, AWS CDK, Microservices, Serverless, Event-Driven Systems

## TECH STACK

Python, JavaScript, TypeScript, Node.js, React.js, Next.js, Nest.js, Pandas, NumPy, Scikit-Learn  
PostgreSQL, MySQL, MongoDB, PgVector, FAISS, Docker, Kubernetes, GitHub Actions, Jenkins

## PROFESSIONAL EXPERIENCE

McFadyen Digital | Senior UI Architect & AI Engineer | Aug 2025 - Present

- Architecting Generative AI and Agentic AI platforms using microservices and event-driven cloud patterns.
- Built AI code review and AI mock interview platforms with Python, RAG, PgVector, and OpenAI APIs.

Synechron Technologies | Senior Architect & Full Stack Lead | Aug 2023 - Aug 2025

- Led cloud-native platform architecture integrating Node.js services with Python AI services.
- Implemented Agentic AI workflows with CrewAI and LangChain on AWS.

Infogain India Pvt Ltd | Technology Lead / Architect | Jan 2021 - Aug 2023

- Architected micro frontend and cloud solutions on Azure with AI chatbot integrations.

Honey Computing Services | Technical Project Manager | Jul 2014 - Jan 2021

Cybage Software | Software System Analyst | Jul 2006 - Jul 2014

People Interactive (Shaadi.com) | Software Engineer | Sep 2005 - Jul 2006

## KEY PROJECTS

AI Mock Interview Platform | OpenAI APIs | PgVector | RAG | Semantic Search

AI Code Review Agent | Ollama | Phi3/Phi4 | Docker Microservices | Python

Cucumber JS Distributed Testing Framework | Parallel Sharding | AWS S3 Reporting

## CERTIFICATIONS

AWS Certified Solutions Architect - Professional

Cybage Certified Trainer | Udemy Instructor (Average Rating: 4.6)

Education: MS - Software Engineering (BITS Pilani) | Bachelor of Information Technology