Saukhyasheel Sardesai

AI Full Stack Engineer

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Profile

AI Application Developer at Mitie, specializing in designing and deploying intelligent solutions using Generative AI, Agentic AI, LLMs, prompt engineering, semantic search, and vector databases. Strong proficiency in Python, JavaScript, C#, React, and frameworks such as LangChain, LangGraph, and FastAPI. Experienced in cloud platforms, API development, and integration of advanced AI features. Holds an MSc in Data Science from Nottingham Trent University. Previously worked as a Full Stack Developer at Capgemini, delivering robust front-end and back-end solutions. Collaborative team player, focused on building scalable, secure, and innovative AI applications in agile environments.

Education

MSc DataScience
Nottingham Trent University, Nottingham, UK | 10/2023 – 12/2024

Bachelor of Engineering in Electronics and Telecommunication
Marathwada Mitra Mandal College Of Engineering, Pune, India | 08/2016 – 11/2020

Professional Experience

AI Application Developer | Mitie Plc, UK | 07/2025 - Present

- Development of AI agents for automated service request handling and workflow automation, leveraging Generative AI, Agentic AI, LLMs, and prompt engineering.
- Designed and deployed chatbots and intelligent solutions using NLP, semantic search, and vector databases (Azure, MongoDB).
- Built and maintained Node.js backend APIs and implemented React.js frontend enhancements for seamless user experiences.
- Developed Azure Function Apps, Logic Apps, and small-scale AI projects to support diverse business teams.
- Integrated RESTful APIs, custom connectors, and cloud services (Azure, GCP) for scalable, production-ready AI applications.
- Software engineering best practices, version control, and agile methodologies.

Software Developer | Capgemini Technology Services India Ltd | 06/2021 – 09/2023

- Delivered end-to-end full stack solutions, developing secure backend APIs with C#/.NET and Azure, and building responsive frontends with AngularJS and React. Optimized database performance and ensured data integrity across multiple projects in agile teams.

Skills

Languages & Frameworks:
Python, JavaScript, TypeScript, C#, React, Node.js, Angular, FastAPI, LangChain, LangGraph, SQL, A2A protocol (Agentic mesh)

AI & Data Technologies:
Artificial Intelligence (AI), Generative AI (GenAI), Agentic AI, Large Language Models (LLMs), Prompt Engineering, NLP, RAG, Semantic Search, Vector Databases.

Cloud & DevOps:
Azure, GCP, Docker, Kubernetes, CI/CD, Azure Function Apps, Logic Apps, Microsoft Copilot Studio, Power Platform (Power Apps, Power Automate)

API & Integration:
RESTful APIs, Custom Connectors, Microsoft Graph API, Azure AI Search, Custom Tools

Software Engineering:
Version Control (Git), Agile/Scrum Methodologies, Code Reviews, Responsive UI Design

Projects

- *ESME* – Built AI agent for service request automation and FAQ chatbot using Azure OpenAI, LangChain, Node.js, React, and RESTful APIs, integrated with enterprise systems for seamless workflows.
- *Exception Handling Agent* – Owned development of an Agentic AI mesh using Azure Logic Apps, Function Apps, and OpenAI APIs, enabling automated exception handling across interconnected agents.
- *DORIS* – Enhanced helpdesk email agent with advanced RAG pipeline, integrating SharePoint, Azure Cognitive Search, and MongoDB for efficient knowledge base management and improved response accuracy.
- *Finance Helpdesk Agent* – Designed and implemented an email automation agent using Azure Logic Apps, Outlook integration, and RAG with Azure AI Search, streamlining finance query resolution.
- *Instagram Reel Decoder* – Delivered an AI agent leveraging Google Gemini Pro Vision API, Python, and FastAPI to analyze video content and generate cost-effective travel plans based on extracted events and locations.
- *Cybersecurity Agent (In Progress)* – Developing an AI-powered agent to detect, monitor, and mitigate threats, leveraging Azure OpenAI, LangChain, and Logic Apps, with continuous alerting and reporting to security teams.

Portfolio
Explore additional AI projects and demos at: https://saukhyaofficial.onrender.com

Extra Activities
Volunteer – Society For Animal Protection, Kolhapur, India | 07/2019 – 09/2023