

Sarvesh Kishor Talele

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github.com/sarveshtalele

Portfolio Website: <https://sarveshtalele.org/>

Skills:

Software, Programming Languages and Frameworks: Python, LangChain, LangGraph, FastAPI, MCP, Pandas, Scikit-learn, Matplotlib, Llamaindex, MS SQL Server, Git, and GitHub, Claude, OpenAI, Gemini, Ollama, SDD Framework - Spec-kit, LiteLLM Proxy, Copilot Studio, Claude Code, Antigravity, Codex, GitHub Copilot

Technologies: Azure, Microsoft Foundry, Agentic AI, Generative AI, Machine Learning,

Experience:

Tata Consultancy Services

2022 - Current

System Engineer, Role: AI Engineer, Thane, India

- Partnered directly with the **CXO's office and leadership** to architect **Agentic AI automations**, accelerating Total Contract Value (TCV) growth by 25% and reducing executive workflow bottlenecks by **40%**.
 - Deployed autonomous workflows to analyse **500+ monthly client** meetings and streamline engagement pipelines, increasing follow-up **efficiency by 35%** and driving data-backed strategic conversions.
 - Engineered a secure **LLM proxy** within Microsoft Azure to manage, trace, and audit API consumption, successfully scaling secure AI access for **100+ active enterprise users** while **reducing** API latency by 20%.
 - Orchestrated **3+ production-ready**, multi-agent workflows leveraging the Microsoft Foundry SDK and MCP tool-calling capabilities, **reducing** manual task processing time by **45%** across enterprise deployments.
 - Pioneered **Graph-RAG and hybrid retrieval architectures** utilising LangChain, earning recognition among the **top 15 internal research papers** across a 10,000+ employee engineering division.
 - Deployed a **Software Design Document (SDD)** framework utilising Spec-kit to reverse-engineer monolithic legacy codebases systematically, **reducing** the modernisation discovery phase timeline by 50%.
 - Designed and deployed **10+ high-performance**, FastAPI-driven agentic services, supporting enterprise-scale operational loads of 50,000+ daily requests with sub-second API response times.
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Projects:

LinkedIn Autonomous Content Creation Agentic System ([Link](#))

- Built an **autonomous multi-agent content generation system** using **LangGraph** and **RAG** that ingests multi-source data, extracts trends, and generates high-quality LinkedIn posts automatically.
 - Designed a **modular agent pipeline (ingestion → keyword extraction → RAG retrieval → writer → reviewer)** enabling automated research, drafting, and iterative improvement of professional content.
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Education:

- Bachelor of Mechanical Engineering:** University of Mumbai, 2022, CGPA: 8.76/10
 - HSC:** 83.85%
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Research Papers:

- A Modular Zero-Shot Pipeline for Accident Detection, Localisation, and Classification in Traffic Surveillance Video - Published in **NASA Astrophysics Data System**
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Certifications:

- Claude Certified Architect, **Anthropic**
 - Professional Certificate for CSAI, **Harvard Extension School**
 - Google Data Analytics Professional Certificate, **Google**
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Achievements:

- **8x Awards** from Tata Consultancy Services Ltd.
- **Guinness World Record Participant**, Most Users to Take an Online Computer Programming Lesson in 24 Hours 2021