

# MAYUR KOLI

Generative AI Engineer | Full-Stack Developer | Co-founder, Katagoge | Seeking MS in AI / CS  
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## PROFESSIONAL SUMMARY

Final-year Computer Engineering student (SPPU, 2026) with a strong research and build record in Generative AI and LLM-based production systems. Co-founded **Katagoge** (execution infrastructure for early-stage startups & VC deal-flow intelligence) and **Mentesa** (no-code multi-bot AI platform). Published researcher (IJSREM, 2025). Experienced in RAG pipelines, AI agent design, n8n automation, AI tool development, and full-stack product delivery for international clients. Seeking an MS programme in Artificial Intelligence / Computer Science to deepen expertise in machine learning systems and responsible AI.

## EDUCATION

|   |                        |
|---|------------------------|
| <b>Bachelor of Engineering — Computer Engineering</b>                           | <b>CGPA: 8.37 / 10</b> |
| Savitribai Phule Pune University (Zeal College of Engineering & Research, Pune) | 2023 – 2026            |
| <b>Diploma — Computer Engineering</b>   | <b>86.06%</b>          |
| Maharashtra State Board of Technical Education, Nashik                          | 2020 – 2023            |
| <b>SSC (10th) — Maharashtra State Board</b>                                     | <b>82.80%</b>          |
| A. B. Patil High School, Khirdi   | 2019 – 2020            |

## PROFESSIONAL EXPERIENCE

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|---|---------------------|
| <b>Co-founder &amp; COO — Katagoge.com</b>  | Jan 2026 – Present  |
| Startup Ecosystem Platform   <a href="https://katagoge.com">https://katagoge.com</a>  |                     |
| <ul style="list-style-type: none"><li>Co-founded Katagoge — execution infrastructure for early-stage startups, enabling founders to build cross-functional teams and allowing VCs to discover high-signal deal flow based on real operational traction rather than pitch decks.</li><li>Architecting the intelligence layer that measures execution velocity, team composition, and milestone completion to surface verified startup insights to investors.</li><li>Leading product strategy, operational systems, and platform roadmap as Chief Operating Officer.</li></ul>                           |                     |
| <b>Software Developer — SparkOS</b>   | Feb 2026 – Present  |
| <ul style="list-style-type: none"><li>Develop and deploy production-level AI tools and intelligent automation workflows using n8n for real estate and business clients.</li><li>Build AI-powered features including LLM-integrated assistants, lead-qualification agents, and custom AI tools tailored to client-specific use cases.</li><li>Integrated GoHighLevel CRM, WhatsApp triggers, and AI agents to automate end-to-end lead capture, qualification, and follow-up pipelines.</li><li>Debug webhook-based systems and optimise workflow reliability in live production environments.</li></ul> |                     |
| <b>Software Intern — Zensar ESD</b>   | Jan 2025 – Feb 2025 |
| <ul style="list-style-type: none"><li>Built Python-based applications and database-integrated solutions through industry projects under enterprise-level mentorship.</li></ul>  |                     |
| <b>RPA &amp; Web Development Intern — Rajavi Technologies Pvt. Ltd., Pune</b>   | Jul 2021 – Sep 2021 |
| <ul style="list-style-type: none"><li>Assisted in automation tasks and full-stack web development within enterprise workflows.</li></ul>  |                     |

## PROJECTS

## FolioPort — Resume-to-Portfolio SaaS Platform

[folioport.live](https://folioport.live)

Full-stack SaaS product that converts a resume into a polished public portfolio website. Features custom templates, fully integrated payment gateway, public shareable links, downloadable resume support, and a live user dashboard. Built, deployed, and maintained independently as a production product with real paying users.

Stack: Next.js · Payments API · Firebase · Tailwind CSS

## Mentesa — No-Code Multi-Bot Generative AI Platform

[mentesa.live](https://mentesa.live)

SaaS platform enabling non-technical users to create and manage LLM agents with persistent conversation memory, document-based RAG (FAISS), Firebase auth, and a multi-bot admin dashboard. Published research paper at IJSREM 2025. Powers the @mentesa.live Instagram tech channel (500K+ cumulative views).

Stack: Python · LangChain · FAISS · Firebase · Gemini API · Streamlit

## Katagoge.com — Startup Execution Infrastructure

[katagoge.com](https://katagoge.com)

Co-founded and built from the ground up. Execution OS for early-stage startups with role-based team structure, milestone tracking, and a VC intelligence layer for deal-flow discovery based on real traction data.

Stack: Next.js · React · Node.js · Cloud Deployment

## ChatDouble — AI Persona Mimicry Chatbot

[chatdouble.streamlit.app](https://chatdouble.streamlit.app)

Dynamic AI chatbot platform with contextual retrieval (FAISS), user-based bot creation, and personality-mirroring capabilities using Gemini API.

Stack: Python · Gemini API · FAISS · Streamlit

## The Bakers Home — International Client Website

[thebakershome.gt.tc](https://thebakershome.gt.tc)

Designed and deployed a responsive, production-ready business website for an international client based in Lesotho, demonstrating cross-border freelance delivery.

Stack: HTML · CSS · JavaScript

## TECHNICAL SKILLS

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|-------------------------------------|---|
| <b>Languages</b>                    | Python, C++, Java   |
| <b>Generative AI &amp; LLMs</b>     | LLM Integration (API), Prompt Engineering, RAG, AI Agent Development, AI Tool Development, Embedding-based Retrieval, Context & Memory Management |
| <b>Frameworks &amp; Libraries</b>   | LangChain, FastAPI, Streamlit, Hugging Face Basics, REST APIs, NLP Basics   |
| <b>Data &amp; Storage</b>           | FAISS, Firebase Firestore, MySQL  |
| <b>AI Workflow &amp; Automation</b> | n8n LLM Workflow Design, GoHighLevel CRM, Webhook Architecture  |
| <b>Web &amp; Full-Stack</b>         | Next.js, React, Tailwind CSS, Firebase, Supabase, Render, GCP   |
| <b>Tools &amp; Platforms</b>        | Git, GitHub, AWS, Streamlit Cloud, Payment Gateway Integration  |

## RESEARCH & PUBLICATIONS

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### Mentesa: No-Code AI Chatbot Creation Platform — IJSREM, Oct 2025

Koli, M. et al. | Zeal College of Engineering & Research, SPPU

Presents the architecture of Mentesa: Gemini-2.5-Pro + document-retrieval RAG system, Firebase storage, strict user-data separation, and no-code chatbot creation. Demonstrated substantial reduction in LLM hallucinations through knowledge-grounded generation.

Available at: [ijsrem.com/download/mentesa-no-code-ai-chatbot-creation-platform](https://ijsrem.com/download/mentesa-no-code-ai-chatbot-creation-platform)

## LEADERSHIP, ACHIEVEMENTS & EXTRACURRICULARS

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- **Co-founder & COO — Katagoge.com** (2026 – Present)
  - Built execution infrastructure + VC intelligence platform from scratch; leading product strategy and operations for a pre-launch startup.
- **Class Representative — B.E. Computer Engineering, ZCOE&R;**
  - Elected CR for the batch; primary liaison between faculty and 60+ students, coordinating academic schedules, grievances, and department events.

- **Cultural Student Head — ZCOE&R;**

Led the college cultural committee, organising large-scale events including Talentron — annual inter-college cultural festival.

- **Best Actor Award — Talentron 2025, ZCOE&R;**

Awarded Best Actor at the annual college cultural festival in competitive dramatics.

- **1st Prize — Innoverse 2.0 (2025)**

Won first place for an AI-based solution at the national-level inter-college innovation competition.

- **1st Prize — NexAI Coding Competition (2024 & 2025)**

Back-to-back winner in competitive coding events focused on AI/ML problem-solving.

- **Mentesa Instagram Tech Channel — 500K+ Cumulative Views**

Manages [@mentesa.live](https://www.instagram.com/mentesa.live), an Instagram channel demonstrating AI tools, LLM use cases, and product demos — over half a million total views.

## CERTIFICATIONS & TRAINING

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- **Python Employability Skill Development Programme** — Rubicon & Deutsche Bank (Mar 2025)

- **Machine Learning with AI using Python** — Quantum Learning (Sep 2022)

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*References and supporting documents available upon request.*