Mayur Koli

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Portfolio: Mayurkoli.mentesa.live

Professional Summary

AI Engineer focused on Generative AI and LLM-based systems, with hands-on experience building AI agents, multi-bot platforms, and RAG pipelines. Experienced in integrating models such as Gemini and Ollama into real-world applications using Python, Streamlit, Firebase, and vector databases. Developed end-to-end GenAI platforms including Mentesa and ChatDouble. Seeking to contribute to impactful Generative AI work as an intern.

Academic Qualifications

Bachelor of Engineering in Computer Engineering

Zeal College of Engineering and Research, Narhe, Pune | 2023-2026 | Cumulative GPA: 8.23/10

Diploma in Computer Engineering

Sandip Foundation's Sandip Polytechnic, Nashik | 2020-2023 | Percentage: 86.06%

SSC

A. B. Patil School, Khirdi | 2020 | Percentage: 82.80%

Technical Skills

- <u>Artificial Intelligence & GenAI</u>: AI Agent Development (LLM-based bots), Prompt Engineering & Context Handling, Natural Language Processing (NLP) Basics, Vector Databases (e.g., FAISS, ChromaDB), RAG, LLM Integration (Gemini, Ollama, API-based models)
- <u>Tools & Frameworks:</u> Streamlit, Git & GitHub, LangChain (basic pipeline building & LLM integration)
- <u>Programming Languages:</u> Python, C/C++, Java
- <u>Web Technologies:</u> HTML5, CSS, PHP, Javascript, FastAPI
- <u>Databases:</u> Firebase-Firestore, MySQL

Projects

Mentesa – https://mentesa.live

- Built a no-code platform enabling users to create, customize, and chat with multiple AI agents.
- Designed prompt-engineering workflows for personality-based and context-aware responses.
- Implemented secure authentication, bot management, and persistent conversation storage.
  Tech: Python, Streamlit, Firebase, Gemini Pro, Prompt Engineering

ChatDouble – https://chatdouble.streamlit.app

- Developed a chatbot system with dynamic bot creation and contextual memory.
- Implemented RAG-style retrieval using embeddings and FAISS for relevant response generation.
- Built user authentication and bot data management using Firebase.
  Tech: Python, Streamlit, FAISS, Firebase, LLM APIs

Moeketsi Kaeane Portfolio Website (Client Project) – https://github.com/Mayurkoli8/Moeketsi-Kaeane.github.io

- Designed and implemented modern, professional UI/UX
- Ensured cross-device compatibility and SEO-friendly structure
- Delivered a polished final product for real-world deployment

ProSol – Problem Solving Platform - https://shorturl.at/Lvr4r

- A community platform where users post real-life problems and others contribute solutions. Users earn points based on activity, redeemable for tech gear.

Internships

Internship at Zensar ESD | Jan – Feb 2025

- The Zensar ESD Internship aimed to enhance technical skills through practical exercises and industry-level projects, providing hands-on training in Python programming, database management, and web development

Internship at Rajavi Technologies Pvt. Ltd., Pune | July - September 2021

- Gained hands-on experience in **Robotic Process Automation (RPA)** and **Full-Stack Web Development**
- Learned industry workflows, automation logic, and web development best practices
- Contributed to internal tools and automation tasks as part of the learning phase

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Trainings

Python-Employability Skill Development Training Program | Association With Rubicon & Supported By Deutsche Bank. | March 2025

- Developed a personal portfolio website using the Django framework as part of Rubicon training, implementing dynamic templates, structured routing, and model-based data handling to effectively showcase skills and projects.
- Created a functional e-commerce web application with features like product listing, database-driven cart management, demonstrating practical application of Django's MVC architecture and backend integration

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Achievements

- **1st Prize – Innoverse 2.0 (2025) for an innovative AI-based solution, AIDS Department, Zeal College**
- **1st Prize – Coding Competition, NexAi 2024, Zeal College**
- **1st Prize – Project Competition, NexAi 2024, Zeal College**
- **2nd Prize – Coding Competition, NexAi 2025, Zeal College**
- **Best Actor Award**, Talentron 2025, Zeal College of Engineering and Research
- Participated in multiple **Hackathons** and **Idea Presentations** at inter-college and department level
- Won/shortlisted in several **Project Competitions** and **Technical Events** during diploma and degree
- Earned certifications from hackathons, coding platforms, and workshops related to AI and development

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Extra-Curricular Activities

- Successfully **organized and led** the Engineers' Day **2025** events - Code Cooking, Prompt Engineering, and Poster Presentation - under Zeal College's Computer Department
- **Best Actor Award** at Talentron **2025** for outstanding performance in Solo drama competition
- **Lead and Co-Lead Actor** in Firodiya Karandak **2024** and **2025** representing Zeal College
- Actively participated in cultural fests, anchoring, and stage events at Zeal College
- Served as **Student Coordinator** for multiple college-level events and cultural programs
- Represented class as **Captain** in departmental and college-level competitions
- Passionate about acting, scriptwriting, and collaborative stage performances

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Strengths

- Problem-Solving | Adaptability | Leadership | Teamwork | Communication | Creativity

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Hobbies

- Exploring AI | Acting and Theatre Performances | Skateboarding | Tech Events and Hackathons | Analyzing, Scriptwriting and Storytelling Techniques.