

MUKUL SANGAMKAR

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SUMMARY

Driven and curious Information Technology student with a strong foundation in Python, AI/ML principles, and developing data-driven solutions. Passionate about applying Generative AI and Large Language Models (LLMs) to solve real-world problems, particularly in automating and optimizing business processes. Experienced in building AI-powered applications, integrating APIs, and working with frameworks like LangChain. Eager to contribute to a dynamic team, leverage MLOps practices, and deepen expertise in developing and deploying sophisticated LLM solutions. Possesses foundational knowledge of cloud platforms like Azure.

PROJECTS

RecuritFlow-ai

Mar 2025 - Apr 2025

- Built a multi-agent AI system to automate recruitment by parsing job descriptions, extracting data from PDF resumes, and calculating match scores.
- Integrated Ollama (LLM), LangChain, Streamlit, and SQLite to develop a full-stack solution.
- Automated PDF resume parsing and interview-invite emails to process 800+ resumes/day—tripling screening throughput and slashing manual effort by 70%
- Fine-tuned Llama-2 models using LangChain's prompt optimizer, reducing hallucinations by 25% and boosting answer relevance
- Engineered a matching algorithm to calculate relevance scores between candidates and job requirements, achieving 85% accuracy in initial tests.

AI-Powered Web Scraper & Analysis Tool

Dec 2024 - Jan 2025

- Developed Python ETL scripts to scrape and process over 500 K records per week from JavaScript-driven sites, cutting end-to-end runtime by 35%
- Built an intelligent web scraper using Python (BeautifulSoup/Selenium) to extract structured data from dynamic websites.
- Integrated Google Gemini API for text cleaning, sentiment analysis, and topic summarization—achieving 92% accuracy in real-time insights
- Visualized insights using Matplotlib and Streamlit for a user-friendly dashboard.

SKILLS

- Programming Languages: Python, SQL, JavaScript (basic)
- Frameworks & Libraries: NumPy, Pandas, Scikit-learn, TensorFlow/PyTorch (basic), LangChain, Flask/FastAPI
- Databases: MySQL
- Tools: Git, VS Code
- Concepts: AI/ML, OOPs, API Integration, Vector Embeddings, Prompt Engineering, RAG (Retrieval Augmented Generation)
- Soft Skills: Logical Reasoning, Documentation, Team Collaboration
- MLOps & Infrastructure: Docker, Kubernetes, Azure ML SDK, MLflow, GitHub Actions (CI/CD)

EDUCATION

2022 - 2026

Bachelor of Engineering (Information Technology)

Savitribai Phule Pune University, Pune

Smt. Kashibai Navale College Of Engineering, Pune

CGPA: 8.2

ADDITIONAL INFORMATION

• Certifications:

Microsoft Certified: Azure Fundamentals

Credential ID: [\[Link\]](#)

(Foundational knowledge of cloud services and how they are provided with Microsoft Azure)

Python Programming – IIT Bombay Spoken Tutorial

(Completed via the Spoken Tutorial project by IIT Bombay, focusing on core Python concepts and practical applications)