

Aadya Madankar

✉ : aadyamadankar1099@gmail.com

[Linkedin](#) [Github](#) [Portfolio](#)

☎ : [+919130395807](tel:+919130395807)

Profile Summary

- Fresh AI engineer with strong knowledge in **Machine Learning, Data science**, Deep Learning, **Natural Language Processing (NLP)** and Computer Vision.
- Specialized knowledge in **Generative AI**, LLMops, **Prompt engineering** and Model fine-tuning.
- Good at using popular AI and ML frameworks including TensorFlow, PyTorch, scikit-learn, Numpy, Pandas, Keras, OpenCV, NLTK, Pillow, Langchain, Langserve.
- Skilled in using tools like **Jupyter Notebooks, Git, GitHub, Google Colab, and Docker** for AI development. Can put AI models online and make easy-to-use websites for them using **Flask, Streamlit, Django, and Gradio**.
- I can use what I've learned to fix real-world problems. Know how to handle AI projects from start to finish - from gathering data, cleaning it up, building models, to putting them to use and keeping an eye on how they're doing.
- Active **open-source contributor**, particularly in AI projects such as open-devin and Unify.ai.

Work Experience

Machine Learning Intern - Coding Raja Technologies [↗](#)

16/1/24 - 19/2/24

- Build a food **classification model** using **VGG-16** and the accuracy is about 72% &
- Social media **sentiment analysis** using **TF-IDF** and machine learning with the accuracy of 89%.

Education

Priyadarshini College Of Engineering, Nagpur

Nov 2021- Present

Bachelor of Technology in Data Science and Artificial Intelligence ; CGPA: 7.7/10

Projects Details

Generative AI Projects

• Giving Eyes, Ears & Speech to AI [↗](#)

Dec 2023- Feb 2024

Role: AI Engineer

Goal: *Develop a generative AI application with real-time image analysis capabilities from webcam video streaming.*

- Developed a **full-stack AI application** with **real-time video streaming, computer vision, speech recognition, and synthesis capabilities using Node.js, TypeScript, and Gemini**.
- Integrated a **vision-based large language model (LLM)** for accurate image analysis and information extraction from webcam video frames.
- Developed a responsive web interface using HTML, CSS, and JavaScript to display the AI's responses and allow user interactions.
- Deployed the application on **Vercel**, ensuring seamless and scalable performance.
- Achieved an impressive **97% accuracy** in speech recognition and synthesis using Gemini, a state-of-the-art framework for multimodal AI tasks..

• Multi-Modal Screen-to-voice assistant [↗](#)

July 2024

Role: AI Engineer

Goal: *Develop a RAG-based assistant with features used in daily life of a programmer .*

- Built a multi-modal AI assistant integrating **Llama, OpenAI-Whisper, and Google Gemini** models for comprehensive analysis and interaction.
- **Combined features** such as live image processing, instant LLM-powered text interpretation from clipboard, real-time analysis of screen captures, and an interactive AI chatbot.
- Developed on the **RAG** architecture, allowing control by providing knowledge as the user expects it to perform or act as.
- Designed a voice-controlled interface with **speech recognition** for hands-free operation and **natural language interaction**.
- Built with **multiple language support**.

• Advance-RAG-Chatbot [↗](#)

May 2024

Role: AI Engineer

Goal: *Build a chatbot using LangChain and AI tools.*

- Built some chatbots using **LangChain and RAG**.
- Created three different types of chatbots: Agents, Local llama, and Groq
- Used AI agents to make the **chatbot** better at handling tasks
- Combined different language models to improve chat quality

Skills and Knowledge

Languages : Python, Sql , html, css, javascript, typescript.

Tools : VScode, Github, Jupyter-lab, Google-colab, Docker, Lightning studio.

Soft Skills : Consistency, Creativity, Team-collaboration, Hardworking, Punctual, Work Efficient.

Key skills : Machine learning, NLP(NLTK & spaCy), Data Analysis, Deep learning, Generative AI, Prompt engineering , LLMops, Computer vision (pillow & open-cv)

Achievements

- **IBM-** Introduction to Artificial Intelligence
- **Deep Learning with TensorFlow** - IBM
- The AI Ladder: A Framework for Deploying AI in your Enterprise-IBM
- Introduction to TensorFlow for **Artificial Intelligence, Machine Learning, and Deep Learning- Deeplearning.AI**