

Sakshi Jadhav

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EDUCATION

- AISSMS Institute of Information Technology** Pune, India
Bachelor of Technology (Computer Engineering) July 2023 - Present
Courses: Data Structures and Algorithms, Artificial Intelligence, Machine Learning

SKILLS SUMMARY

- Languages:** Java, Python,C++,SQL,HTML,CSS,Javascript
- Data Analysis:** NumPy, Pandas, Matplotlib, Data Visualization, PowerBI,Vector Database
- Tools and Frameworks:** Git, GitHub, Google Colab, Hugging Face, MySQL, Langchain,FastAPI,Django,AI Agents
- Machine Learning:** TensorFlow, Linear Regression, Neural Network,Computer Vision,Image Preprocessing,LLM,RAG
- Competitive Programming:** Solved 300+ problems on LeetCode, familiar with OOP and algorithm optimization.
- Soft Skills:** Communication, Teamwork, Problem Solving, Time Management

EXPERIENCE

- AIML Intern – Akiya2.0** Japan
Artificial Intelligence and Machine Learning Intern Feb 2025 - Present
 - AI Solutions:** Developing AI-driven solutions to extract and analyze large-scale web data.
 - ML Models:** Implementing machine learning models for data processing and pattern recognition.
- Chief Project Officer – Catalyst Community** Pune, India
Leadership Role June 2025 - Present
 - Elite Community Leadership:** Part of the top 20 brightest minds in the college, representing the institution in hackathons and innovation initiatives.
 - Project Management:** Led and coordinated community projects, ensuring successful execution and visibility.
 - Campus Representation:** Served as the face of the college in various competitions and events.

PROJECTS

- Emotion Detection using CNN:** Developed a real-time facial emotion recognition system using a custom Convolutional Neural Network (CNN) built with TensorFlow and Keras. Achieved High mode] accuracy on the FER-2013 dataset through advanced image preprocessing, data augmentation, face detection (OpenCV Haar Cascades), and grayscale normalization. Implemented transfer learning, batch normalization, and dropout layers to enhance model generalization, performance, and robustness.emotion classification across 7 categories (angry, happy, sad, etc.)
- LocoBot – AI RAG Chatbot:** Developed an interactive Retrieval-Augmented Generation (RAG) chatbot using the Gemini Large Language Model (LLM) and LangChain framework, enabling real-time, human-like conversational AI. Showcased expertise in LLMs, NLP, conversational AI, web deployment, and user-focused UI/UX design, with potential applications in virtual assistants, customer support bots, and educational platforms..
- Vehicle Object Detection using YOLOv9 (IISc Bangalore):** Collaborated on a vehicle object detection system during a hackathon project at IISc Bangalore, where our team worked on YOLOv9 for high-accuracy, real-time traffic surveillance. The dataset for this challenge was created through a large crowd-annotation effort involving over 600 teams, and I handled significant parts of the data pipeline cleaning, resizing, correcting labels, and performing augmentation across 80,000+ annotated images to improve model accuracy and reduce dataset bias.

CERTIFICATIONS

- Hacktoberfest 2024** Sept 2024
Open Source Contribution
- : Contributed 10+ PRs in Java, earning 6 badges, and collaborated on repositories during IIT Bombay hackathon.
- Oracle Cloud Infrastructure 2025 AI Foundations Associate** Aug 2025
Oracle University
- Oracle Database Foundations Associate** Aug 2025
Oracle University
- Python Programming** 2024
NPTEL (IIT Madras)
- : Completed NPTEL-certified course covering Python fundamentals, data structures, and problem-solving.
- Machine Learning Specialization** 2024
DeepLearning.AI & Stanford (Andrew Ng)
- : Completed 3-course specialization covering supervised/unsupervised learning and ML best practices.

ACHIEVEMENTS

- Leetcode:** Solved over 300 coding problems, strengthening problem-solving capabilities.
- Open Source:** Contributed to several open-source projects, enhancing collaboration and coding skills.
- Phase 2 Selection at IISc Bangalore (Onsite Project):** Our team was selected for Phase 2 at IISc Bangalore, where we worked on an onsite project focused on large-scale vehicle object detection using real-world noisy image data.
- Hackathon Contest Winner:** Secured a position in the Urban Vision Hackathon organized by IISc Bangalore and received 5 keychains and 1 bottle as tokens of appreciation.