

# Sakshi Jadhav

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## SUMMARY

- Motivated Third-Year B.Tech Computer Engineering student specializing in AI, Machine Learning, and Data Analysis.

## EDUCATION

- AISSMS Institute of Information Technology** Pune, India  
*Bachelor of Technology (Computer Engineering)*  
*Courses: Data Structures and Algorithms, Artificial Intelligence, Machine Learning*  
July 2023 - Present
- Lal Bahadur Shastri College** Dharmabad, India  
*HSC; Percentage: 58%*  
July 2021 - June 2023
- Hutatma Pansare High School** Dharmabad, India  
*SSC; Percentage: 93.40%*  
June 2020

## SKILLS SUMMARY

- Languages:** Java, Python,SQL
- Data Analysis:** NumPy, Pandas, Matplotlib, Data Visualization, PowerBI,Vector Database
- Tools and Frameworks:** Git, GitHub, Google Colab, Hugging Face, MySQL, Langchain
- Machine Learning:** TensorFlow, Linear Regression, Neural Network,Computer Vision,Image Preprocessing,LLM,RAG
- Competitive Programming:** Solved 200+ 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:** Built a real-time facial expression recognition system using a custom Convolutional Neural Network (CNN) architecture, achieving high accuracy on the FER-2013 dataset. Applied preprocessing techniques including face detection, grayscale normalization, and data augmentation to enhance model robustness and accuracy. Integrated the model with a live webcam feed using OpenCV to detect and classify human emotions in real-time.
- LocoBot – AI RAG Chatbot:** Developed an interactive RAG chatbot using the Gemini large language model and Langchain framework, aimed at facilitating real-time, human-like conversations. This project demonstrates proficiency in LLMs, conversational AI, web deployment, and user-centric UI design, with potential applications in virtual assistants, support bots, and educational platforms.
- Vehicle Object Detection using YOLOv9(IISc Bangalore):** Collaborated on a vehicle object detection system at IISc Bangalore, utilizing the advanced YOLOv9 architecture for high-accuracy, real-time object detection in traffic surveillance scenarios.Handled large-scale data preprocessing by cleaning and organizing over 80,000+ annotated images, including resizing, labeling correction, and augmentation to improve model performance and reduce bias.Leveraged NVIDIA A6000 GPUs (48GB VRAM) to accelerate model training, achieving efficient handling of high-resolution images and complex detection tasks.

## CERTIFICATIONS

- Hacktoberfest 2024** Sept 2024  
*Open Source Contribution*
  - Java:** Contributed 10+ pull requests in Java, earning 6 badges.
  - Collaboration:** Expanded open-source knowledge through diverse repositories.
  - Team Project:** Participated in a hackathon at IIT Bombay; collaborated on an innovative tech solution.
- Oracle Cloud Infrastructure 2025 AI Foundations Associate** Aug 2025  
*Oracle University*  
Score: 98%

## ACHIEVEMENTS

- Leetcode:** Solved over 200 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 1st Rank in the Urban Vision Hackathon organized by IISc Bangalore. Received 5 keychains and 1 bottle as tokens of appreciation.