

Akshay Jamnis

8088817221 | akshayjamnis29@gmail.com | <https://www.linkedin.com/in/akshayjamnis49/> | <https://akshayjamnis.github.io/AkshayJamnis/> |
Bengaluru

Professional Summary

Machine learning engineer with a Strong background in Python, PyTorch, and Hugging Face, with experience building end-to-end ML solutions including data preprocessing, model training, evaluation, and experimentation. Skilled in Python, C++, Java and JavaScript, with practical experience in computer vision, neural networks, and data analysis. Internship experiences in software development and AI-based applications have strengthened problem-solving, adaptability, and teamwork skills. Actively building applications using Flutter, React, and modern AI tools, with a focus on applying innovation to real-world challenges.

Experience

RDE Automation Tools Intern

Autoliv | [AeroSpace park](#) | 14 Aug 2025 – 14 Nov 2025

- Supported AI/ML-driven automation initiatives by assisting in data preparation, experimentation, and validation of intelligent systems.
- Worked with engineers to understand system pipelines and evaluate ML outputs for performance and reliability.
- Acquired practical experience with industry methodologies, emphasizing the application of AI/ML for the advancement of intelligent system development.

Incubator

Osmania University | 1 Aug 2023 – 2 Feb 2024

- Engineered a cross-platform mobile application utilizing Flutter, incorporating highly intuitive user interface components.
- Significantly enhanced the user experience through meticulous design implementation and robust functional contributions.

Education

Bachelor in Technology-Computer Science (Artificial Intelligence and machine learning)

CMR University | [CMR University Engineering Block](#) | [2022-26]

Key Skills

Technical Skills:-

- Programming Languages: Python, C++, Java, JavaScript, HTML, CSS
- Frameworks & Libraries: numpy, pandas, Scikit-learn, Pytorch, TensorFlow, OpenCV, Hugging face, NLTK
- Databases & Tools: SQL, MongoDB, Git/GitHub, Canva, SharePoint
- Technologies & Concepts: Machine Learning, Deep Learning, Neural Networks, Computer Vision, REST APIs, Big Data Fundamentals.
- Other Skills: Design Thinking, Event Coordination, Cross-functional Collaboration, Technical Writing

Soft Skills:-

- Teamwork: Works effectively in cross-functional teams to achieve shared goals.
- Adaptability: Quickly masters new technologies and adjusts to evolving project needs.
- Detail-Oriented: Ensures high-quality, error-free deliverables through meticulous work.
- Problem-Solving: Uses strong analytical skills to identify root causes and implement scalable solutions.
- Time Management: Manages workload, prioritizes tasks, and meets deadlines efficiently.

Projects

- Domain-Specific Language Model for Medical Suggestions (RAG)
 - Developed a small language model integrated with Retrieval-Augmented Generation (RAG).
 - Provided context-aware medical suggestions using curated datasets.
 - Tools: Hugging Face Transformers, FAISS, PyTorch.
- Fine-Tuning LLMs with Medical Test Results
 - Fine-tuned a large language model using structured medical test data.
 - Improved diagnostic prediction accuracy through fine-tuning on structured medical test datasets.
 - Tools: Python, TensorFlow/PyTorch, Hugging Face.
- Recommender System for Stock Analysis
 - Built a content-based recommendation algorithm for stock selection.
 - Designed visualizations to interpret recommendation outputs and market trends.
 - Tools: Python, Pandas, Matplotlib, Scikit-learn.
- Facial Feature Detection for Secure Login
 - Implemented facial recognition system for authentication across AI projects.
 - Enhanced security by integrating feature detection algorithms.
 - Tools: OpenCV, Dlib, Python.
- Heart Disease Dataset Analysis
 - Conducted exploratory data analysis on heart disease datasets.
 - Applied multiple ML algorithms (Logistic Regression, Random Forest, SVM) for prediction.
 - Tools: Python, Scikit-learn, Pandas, Matplotlib, Seaborn.