

# Akshay Jamnis

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<https://akshayjamnis.github.io/AkshayJamnis/> | Bengaluru

## Professional Summary

Proactive and versatile technologist with a strong foundation in **Artificial Intelligence, Machine Learning, and software development**. 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

- Engaged in a summer internship focusing on automotive safety technologies.
- Acquired practical experience with industry methodologies, emphasizing the application of AI/ML for the advancement of intelligent system development. Incubator

Osmania University | Osmania University, Ambedkar |

- 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:** Flutter, Django, React, Pygame, numpy, pandas, Scikit-learn, OpenCV
- Databases & Tools:** MongoDB, Android Studio, Git/GitHub, Canva, SharePoint, Google Workspace
- Technologies & Concepts:** Machine Learning, Deep Learning, Neural Networks, Computer Vision, AI Prompting, REST APIs, Power BI, Data Visualization, A/B Testing, MapReduce, Data Structures & Algorithms (DSA), Big Data Fundamentals, Spatial Data Models (GIS)
- Other Skills:** Problem Solving, 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

- 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.
- 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 accuracy of diagnostic recommendations in healthcare applications.
  - Tools: Python, TensorFlow/PyTorch, Hugging Face.
- 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.