

AKSHAT RAJ

CONTACT

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EDUCATION

RAIPUR INSTITUTE OF TECHNOLOGY

- B.Tech in Computer Engineering
(2023 – PRESENT)

KENDRIYA VIDYALAYA IOC BARAUNI

- Class XII (PCM) CBSE – 72%
(2021)

SKILLS

- Languages: Python, C, C++, DSA
- Libraries/Frameworks: OpenCV, NumPy, scikit-learn.
- Tools: Git, GitHub, VS Code, Jupyter.
- Core Concepts: Machine Learning, Computer Vision, OOP.

LANGUAGES

- English (Fluent)
- Hindi (Fluent)

EXTRAS

- Interests: AI Tools, Machine Learning, Software Development, Tech Innovation, Problem Solving

PROFILE

I'm Akshat, a Computer Engineering student who loves making tech that's actually useful. I enjoy building small tools and smart systems that help solve real-world problems — whether it's a face detection app or something built with Python and ML. I believe in learning by doing: writing code, breaking things, fixing them, and figuring it all out one step at a time. That's how I grow — not just as a developer, but as a thinker.

PROJECTS

• Emotion Detector – Real-Time Facial Emotion Recognition System

Role: Developer

Tools: Python, OpenCV

Developed an application that uses computer vision to detect and classify human emotions such as happy, sad, and angry through real-time webcam input. Implemented preprocessing, feature extraction, and classification logic using OpenCV and machine learning techniques.

• AI Attendance System – Smart Attendance Tracker Using Face Recognition

Role: Computer Vision Developer

Tools: Python, OpenCV

Designed and deployed an automated attendance system that recognizes and marks faces using Haar Cascade classifiers. Replaces manual tracking with a fast and efficient computer vision-based solution.

• Gesture Controlled Robot – Arduino-Powered Motion Control Robot

Role: Robotics Developer

Tools: Arduino, Python

Engineered a robot that can be controlled through predefined hand gestures. Utilized sensors, Arduino, and Python integration to enable gesture-to-motion translation for directional control.

CERTIFICATIONS

- ML & AI Fundamentals – AWS (2025)
- Generative AI with LLMs – DeepLearning.AI (2025)
- LangChain for LLMs – DeepLearning.AI (2025)