

Akash Santosh Shinde

Artificial Intelligence & Data Science Student

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Professional Summary

Aspiring AI & Data Science engineer with hands-on experience in machine learning, deep learning, and computer vision projects. Skilled in Python, Java, SQL, and full-stack development with React and Node.js. Seeking an internship or entry-level role to apply my technical expertise in developing intelligent, real-world AI solutions.

Skills

Languages: Python, Java, SQL.

AI Technologies: Machine Learning, Deep Learning, YOLO, OpenCV, Numpy, Pandas, PyTorch, TensorFlow, Scikit-learn, Matplotlib, Seaborn.

Databases: MySQL, MongoDB

Tools: Git/GitHub, Visual Studio Code, Google Colab, Jupyter Notebook, Pycharm, RoboFlow.

Education

B.Tech | Artificial Intelligence & Data Science | DBATU, Lonere.

(2023 – Present) | **CGPA: 7.72/10**

Diploma | Computer Science | MSBTE, Mumbai.

(2020 – 2023) | **82.46%**

SSC | Shri Malikarjun High School | Solapur.

(2019 – 2020) | **82.40%**

Experience

Solapur Municipal Corporation (SMC)

July 2025 – Dec 2025

Project Contributor

- Developed real-time GPS-based sweeper tracking system (**NagarShuddhi**).
- Integrated geo-fenced attendance, face recognition, and jacket detection using YOLOv8.
- Built mobile & web dashboards for route monitoring and automated analytics.
- Technologies Used:** Flutter, YOLOv8, TensorFlow, ReactJS, MongoDB, RoboFlow.

Projects

AI-Based Surveillance for Exam Integrity Using Machine Learning.

- Built a real-time system to detect and alert abnormal exam behaviours (device usage, head movements, gestures) with **85.34% accuracy**.
- Published in 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL) Used Python, OpenCV, RoboFlow, YOLOv8.

Vehicle Movement Analysis & License Plate Recognition Using Computer Vision.

- Developed a real-time system to detect, track, and analyze campus vehicle movement with automatic license plate recognition. Used Python, OpenCV, RoboFlow, YOLOv8, DeepSort, EasyOCR.

College Feedback Management System Using Web Development.

- Developed a full-stack College Feedback Management System enabling students to submit feedback online and administrators to analyze responses for quality improvement and decision-making. Used ReactJs, NodeJs, TailwindCSS, MongoDB.

E-Shark Platform Using Web Development.

- Designed and implemented an E-Shark web platform that enables startups to pitch ideas to investors for funding and mentorship, fostering collaboration and business growth. Used HTML, CSS, JavaScript, Bootstrap, php, MySQL, XAMPP.

Publication & Research

Title: AI-Based Surveillance for Exam Integrity: Real-Time Detection of Abnormal Student Behavior.

Published in: 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL).

Publication Year: 2025

Summary: Developed an AI-powered real-time exam surveillance system using YOLOv8 for detecting abnormal student behavior. The model enhances academic integrity by identifying suspicious activities such as unauthorized device usage and head movements, improving monitoring efficiency in exam halls.

Certifications

- **Machine Learning A-Z: AI, Python and R** | Udemy | *(April 26, 2024)*
- **Career Essentials in Generative AI by Microsoft and LinkedIn** | LinkedIn Learning | *(December 2, 2024)*
- **AI-Based Surveillance for Exam Integrity: Real-Time Detection of Abnormal Student Behavior** | ICSADL (4th International Conference) | *(February 15, 2025)*
- **Fundamentals Of Deep Learning** | Nvidia | *(June 1, 2025)*
- **Data Visualization with Matplotlib and Seaborn** | LinkedIn Learning | *(April 20, 2025)*