

# SUSHANT MUTNALE

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LinkedIn

GitHub

Leetcode

## Summary

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- Expertise in developing **AI-driven solutions** using **TensorFlow**, **PyTorch**, and **Hugging Face Transformers**.
- Skilled in **data preprocessing**, **model training**, **evaluation**, and **deployment**.
- Strong foundation in **Python**, **Deep Learning**, and **NLP**, with expertise in **LLMs** and **Generative AI**.
- Passionate about solving **real-world challenges** with AI and continuously improving expertise.
- Seeking an opportunity to contribute to **innovative AI projects** and grow within a **dynamic tech environment**..

## Technical Skills

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- **Programming Languages:** Python, Java, C, C
- **Technologies:** GitHub, DSA, Linux, API Development, MySQL, Postman
- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, OpenCV, LangChain
- **AI/ML & NLP:** Hugging Face Transformers, OpenAI API, Deep Learning, Model Deployment
- **Soft Skills:** Problem-Solving, Critical Thinking, Quick Learner, Adaptability

## Experience

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Python SE Intern | *API, Python, Panda, Opencv*

July 2024 – Sep 2024

- Developed a **real-time remote camera system** using a phone's IP for enhanced **surveillance flexibility**.
- Utilized the system for a **camera-based attendance system**, improving automation.
- Improved **network communication efficiency**, ensuring faster and more reliable **data transmission**.
- Gained hands-on experience in **API development**, **system integration**, and real-world **Python applications**.Projects

## Projects

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AI-Powered Chatbot | *Python, LangChain, Hugging Face, MySQL*

- Developed an **AI chatbot** with **natural language understanding (NLU)** using **LangChain** and **Hugging Face models**.
- Integrated **MySQL** for dynamic response handling and optimized **database queries** for better performance.
- Implemented **OpenAI API** for intelligent responses and deployed on **AWS** with authentication and encryption.

Camera-Based Attendance System| *OpenCV, Deep Learning (CNN), Face Recognition*

- Developed an **AI-powered attendance system** using **computer vision** and **image classification** techniques.
- Implemented **Convolutional Neural Networks (CNNs)** for real-time **face detection and recognition**.
- Utilized **OpenCV and TensorFlow** to process live video feeds and accurately mark attendance.
- Integrated **MySQL** for storing and retrieving attendance records efficiently.
- Enhanced security with **liveness detection** to prevent spoofing using images or videos.

## Relevant Coursework

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- ML&DL
- Data Science
- DBMS
- NLP
- Python
- API Development

## Education

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SGMCOE, Shivaji University

2022-2026

B.Tech Computer Science & Engineering

**8.20 CGPA**

## Achievements/Extracurricular

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- **National-Level Coding Quiz, Navapravartya (Spring 2024):** Ranked in the **top 1** among participants
- **Event Volunteer:** Assisted in organizing, coordinating, and managing a **national-level** coding event