

SUSHANT MUTNALE

+918080438631

sbmutnale512@gmail.com

LinkedIn

GitHub

Leetcode

Summary

- 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

- **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

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

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

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

Education

SGMCOE, Shivaji University

2022-2026

B.Tech Computer Science & Engineering

8.20 CGPA

Achievements/Extracurricular

- **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