

SAURABH SUDHIR MELGIRKAR

Python Full-Stack Developer

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SUMMARY

A Dedicated and solution-oriented graduate of computer science, presently enrolled in D. Y. Patil Institute's MCA program. Skilled in Python, Java, JavaScript, SQL, and contemporary development tools, with a solid background in full-stack projects such as an AI-powered yoga trainer and an Internet of Things-based home automation system that reduced energy consumption by 15%. Awarded at university and state levels for innovation and technical excellence. eager to provide forward-thinking development teams with useful, real-world solutions.

Technical Skills :- Python, Java, JavaScript Object-Oriented Programming (OOP) Web Development: HTML5, CSS3, Bootstrap, React.js, Flask, Django MVC Architecture, Database Management: MongoDB, MySQL, Oracle 10g, SQL Handling: CRUD Operations, Data Structures & Algorithms, AI/ML Tools: pandas, numpy, TensorFlow, OpenCV, ChatGPT, Gemini, Copilot.
Soft Skills: Team Collaboration, Problem Solving, Time Management, Adaptability

EDUCATION

Master of Computer Application (MCA) | DY Patil Institute of MCA and Management, Akurdi | 2024 - 2026- Current
SGPA: 7.58 (Semester I)

Bachelor of Science in Computer Science | MGM's College of CS and IT, Nanded | 2021 - 2024- CGPA: 8.0

Grade XII | Siva Sivani Jr College, Hyderabad | 2021- Score: 79% (Telangana Board)

Grade X | P. Jog School, Pune | 2019- Score: 80.20% (SSC Board)

Projects

YogaMate

•Technologies: python, AI & ML, tensorflow, cv2, Html css bootstrap.

Developed A yoga training project designed to evaluate

and guide individuals in their execution of proper yoga poses."Triumph at Aavishkar 2024: Revolutionized yoga with Yogamate, the cutting-edge ML model, achieving top honours" ■ Implemented an advanced 8-node Artificial Neural Network in our machine learning assistance model ■ Leveraged 10-15 Python libraries such as NumPy, Mediapipe and OpenCV to build our innovative model ■ Secured 3rd place at district and university level, showcasing our excellence and qualifying for state finals

IOT Based Home Automation

Developed a home automation system that reduced energy consumption by 15% through efficient device management. ■

Implemented an ESP32 microcontroller to enable remote control of devices from anywhere in the world

■ Showcased the innovative home automation system, emphasizing its advanced features and capabilities

■ Delivered a compelling presentation that earned 3rd place and secured Rs 5,000 at the state competition

Complain Portal

•Technologies: HTML, CSS, php

•Outcome: Developed centralized complaint management: A single platform for users to submit, track, and resolve complaints.

Emoify

•Technologies: HTML, CSS, python, numpy tensorflow, Cv2, flask.

•Outcome: Developed website. To change the mood through music it will detect your emotions and based on that suggest you music

Achievement

- Excelled QSpider's aptitude test and group discussion, securing a full scholarship for 3+ extensive courses
- Led the team to 1st place at TechExpo 2024 with the presentation of Yogamate; Yoga Assistance ML Model
- Secured 1st place at TechExpo 2023 with an innovative input-based Digital Complaint Management System
- Secured 3rd prize at university-level Aavishkar Project Competition
- Secured 3rd prize at university-level Chess Competition
- Secured 1st place at district-level Maharashtra Student Innovation Challenge

LANGUAGE: ENGLISH, HINDI, MARATHI **INTRESTS:** Playing chess Listening musi