

## BRIEF SUMMARY

Enthusiastic computer science student with a passion for technology and a strong foundation in programming, algorithms, and problem-solving. Eager to apply my knowledge and skills in a dynamic and challenging environment to contribute to innovative projects and continuously expand my expertise.

## KEY EXPERTISE

CPP Python HTML CSS SQL Data Structures Core Java OOPs Operating Systems

## EDUCATION

**MIT Academy of Engineering, Pune** 2020 - 2024  
B.Tech. - Computer Science and Engineering | CGPA: 9.03 / 10

**Shree Shivaji Vidya Mandir & Jr. College, Pune** 2020  
12<sup>th</sup> | MSBSHSE | Percentage: 86.15 / 100

**Shree Shivaji Vidya Mandir & Jr. College, Pune** 2018  
10<sup>th</sup> | MSBSHSE | Percentage: 91.40 / 100

## INTERNSHIPS

**Celebal Technologies** 10 Jun, 2023 - 08 Aug, 2023  
Data Science Intern

**Key Skills:** Deep Learning Python

Worked on Human Action Recognition Project  
Developed a user-friendly front-end using Streamlit for interactive visualization of the model's results.  
Tested the application's functionality and API endpoints using Django and Postman.

**Future Ready Talent, AICTE** 01 Jun, 2022 - 31 Jul, 2022  
Azure Intern

**Key Skills:** Microsoft Azure HTML CSS

Developed a School Admission Bot during internship, utilizing HTML and CSS for the user interface.  
Integrated a chatbot using Azure services to facilitate interactive and automated admissions inquiries.

## PROJECTS

**IMAGE CAPTION GENERATOR** 01 Feb, 2023 - 31 Mar, 2023

**Key Skills:** Python Deep Learning Flask

Developed an Image Caption Generator aimed at assisting individuals with visual impairments by providing accurate and contextually relevant descriptions for images  
Utilized Convolutional Neural Networks (CNN) to extract features from images and Long Short-Term Memory (LSTM) networks to generate coherent captions.  
Integrated the OpenAI API to enhance caption descriptions  
Deployment of the model using the Flask web framework.

**Drowsiness Detection System** 01 Jan, 2023 - 31 Mar, 2023

**Key Skills:** Python OpenCV IOT

Designed and implemented a Drowsiness Detection System to enhance road safety by identifying driver drowsiness  
Developed a real-time Drowsiness Detection System using computer vision techniques with OpenCV.  
Implemented facial landmark detection to track eye movements  
Integrated an alert mechanism that activates a buzzer to warn the driver and sends a notification message to a designated contact

## ACHIEVEMENTS

- Datathon Finalist - Data Science Competition
- 250+ DSA Questions (Leetcode 140+)

## CO-CURRICULAR ACTIVITIES

- Certification courses from Udemy and Coursera
- Participation in Coding competitions

## PERSONAL INTERESTS / HOBBIES

- Music
- Movies
- Cricket

## WEB LINKS

- Github - <https://github.com/harshaltawade>
- Other - <https://leetcode.com/harshaltawade/>

## PERSONAL DETAILS

**Gender:** Male

**Current Address:** Nanekarwadi, Chakan, Tal. Khed, Pune,  
Maharashtra, India - 410501

**Emails:** harshal.tawade@mitaoe.ac.in , harshaltawade04@gmail.com

**Date of Birth:** 29 Oct, 2002

**Known Languages:** English, Hindi and Marathi

**Phone Numbers:** +91-8600830904, +91-8600830904