

Atharva Deshpande

Education

Pune Institute of Computer Technology

BE in Information Technology

Honours in AI/ML

2022-2026|Pune,India

CGPA :**9.24/10**

Namo Rims Junior College

2020-2022|Pune,India

Class XII Percentage:**88.67%**

DAV Public School,Aundh,Pune

2008-2020|Pune,India

Class X Percentage:**95.40%**

Experience

Student Intern,C-DAC July 2024-Present

Currently working on a project as an intern with **CDAC,Pune an Indian government associated institute working under ministry of Electronics and Information Technology** which includes application of Machine Learning and Computer Vision in field of Drones .Developing a smart drone system leveraging computer vision algorithms to detect and classify enemy actions in real-time. Integrating autonomous decision-making capabilities, enabling the drone to respond to threats without human intervention.

An active member of PICT CSI ,April 2023-Present

Coordinated sponsorships for club events, engaging with various sponsors and enhancing my negotiation skills.Played a Pivotal role in Organizing large scale club events.

Technical Skills

- Problem Solving,DSA,OOP, DBMS,OS
- Languages:C++,Python
- AI and ML:NLP,CV
- Web Development: HTML, CSS, JavaScript,React.js, Node.js, Git version control and Github.
- Database:MySQL


Links

GitHub:<https://github.com/1Athar>

LinkedIn: <https://www.linkedin.com/in/atharva-deshpande1-95419526b>

Leetcode: <https://leetcode.com/u/Atharva1507/>

Contact

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Projects

PDF Reader website for Smart India Hackathon-23

Developed a PDF reader which converts text to speech and speech to text thus we can automate it by giving commands :START,STOP,REPEAT,SKIP,UNDERLINE etc

VIDEO BASED CAPTCHA

Created a website with front end created using HTML/CSS and backend using MySQL implementation in Django .

In this website user has to login and register after which he can access the website by passing the video based captcha test successfully.

Engaged in a project focused on developing a website for administering quizzes for deaf kids using **Python**.

Facial Emotion Recognition

Built a deep learning model to classify emotions from facial images using FER2013. Preprocessed pixel data, handled data anomalies, and organized labelled datasets. Applied Python, NumPy, Pandas for efficient data processing and model training.

Dimensional Prediction of a Product image

Processed over 3 lakh images in just 2 days using fine Tuned OCRs like Tesseract and EasyOCR and applied Regular Expressions to extract the suitable numerics along with its unit. Explored BLIP AND CLIP vision Language Models.

Achievements and Participations

- Got Selected from College to Contest our Project in SIH-23 in my first year.
- Secured AIR 160 in Amazon ML Challenge 2024 competing against 75000+ participants Of Third Year,Final Year,PHD as well as Master Students.
- Participated in Impetus by INC
- Volunteer in Cultural event like ADDICTION-23 biggest cultural event conducted in college
- NSS member involved in weekly teaching young children for free fostering of their academic growth and creating learning environment as commitment to Clubs agenda

