

Atharva Purohit

✉ atharvaspurohi@gmail.com / [in /Atharva /](#) [GitHub atharva-434](#) / [Leetcode](#)

EDUCATION

B. Tech in Artificial Intelligence and Data Science

CGPA: 9.

Vishwakarma Institute of Technology, Pune

Senior Secondary Education

Percentage: 89%

Nashik Cambridge School, Nashik

2018

Higher Secondary Education

Percentage: 81%

Matoshri Junior College, Nashik

2020

EXPERIENCE

The Robotics Forum

Oct 2022 - July 2022

Machine learning Engineer

Pune, India

- Developed a chatbot for the club website.
- Created a traffic sign recognition application.
- **Tech Stack:** Python, Tensorflow, Django

PROJECTS

Sugarcane Leaf disease classification / *Tensorflow, Keras, Django*

[GitHub](#) / [Link](#)

Sept 2021 - Jan 2022

- Developed a Transfer Learning model for detecting 2 Diseases in the Sugarcane Leaf- Red Dot and Red Rust. The transfer learning model used is DenseNet201 and SVM.

Safar / *Django, React, Html, CSS*

[GitHub](#) / [Link](#)

Sept 2020 - Oct 2020

- 'Safar' provides a seamless and easy-to-use interface for users to book their tickets.
- 'Safar' features an Admin Module that provides the Tourists' Live Count and booking details – these features are beneficial for Crowd Analysis!
- Finally, the QR Scanning feature is implemented to allow prompt verification of tourists as they enter the monument or museum!

Video Classification for Information Retrieval / *TensorFlow, Keras,*

Sept 2022 – Nov 2022

- A new approach for video classification is proposed by extracting key frames from the videos and then classifying them by using a Convolutional neural network architecture - DenseNet201.
- Dataset used for this project is the ISRO video dataset.

An Efficient System for CPU Metric Visualization / *Django, Ajax, Html, CSS*

Aug 2022 – Oct 2022

- A web-based system for fetching system information and displaying it has been developed. It will provide graphical insights into the performance parameters such as CPU usage, Memory, and GPU.
- The website fetches useful system information from the local system with the help of a '.exe' file which the user needs to download and run on the local system
- There is an additional feature is added to the system where the user can check whether a particular application can work on their system by comparing the minimum requirements with the information of the local system.

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++.

Technologies/Frameworks/Libraries: Keras, Tensorflow, Pandas, Django, Requests, HTML, CSS

ACHIEVEMENTS

1. Ranked first in the **Internal smart India Hackathon** among 85 teams.
2. Published a research paper titled **Movie Recommendation and sentiment analysis** in global transitions proceeding under the science direct journal.
3. Published a research paper titled **Sugarcane Leaf Disease classification using Transfer learning** at IEEE

POSITIONS OF RESPONSIBILITY

Machine Learning Head / TRF VIT, Pune

Sept 2021 - Aug 2022

- Led 2 workshops for machine learning conducted by TRf.
- Created a chatbot for the TRF official website.

Technical Coordinator/ Event Planning and Execution committee, VIT Pune

Aug 2021 - Dec 2021

- Led the team for a segment in VIT, Pune's Annual fests- Mélange
- Conducted a technical quiz.

EXTRACURRICULARS

Go Green Volunteer / VIT Social Welfare and Development

Jan 2020

- Volunteered in Go green, Go green was a fusion of social activities, which included paper bags, masks, birdfeeders, advertisements, bookmaking, and also tree plantation where we worked to complete a defined task. The aim of this activity was to achieve goals that would benefit society in one form or other.