



## Suraj Tade

Machine Learning Engineer • Fullstack Developer • Frontend Developer

Pimpri Chinchwad College of Engineering • 2024 Pass out



### Projects

#### Anantya 2023



- Designed the website for the flagship event of computer department, Anantya
- Worked with a team of 5 members to build the website
- 1500 sign up in 1 week

Skills Developed: React.js, Figma, Bootstrap, API

#### Vision Inspection

- Developed a computer vision based ML model that can accurately classify between good and defective products
- Process: Data preparation > Model selection > Model training > Model testing > GUI development
- ML based system that can classify between defects in a product and contains a feedback loop that helps to retrain the model when the performance starts to degrade

Skills Developed: Machine Learning, Computer Vision, React.js

#### Tenzies Game



- Built the digital version of Tenzies game
- Developed the project using React
- Taking full advantage of reusable components and state management

Skills Developed: React.js, HTML, CSS

#### Stock Closing Price Visualiser and Prediction Model

- Trained an LSTM model on Yahoo Finance dataset
- Used Streamlit to create a simple GUI
- It allows the user to select a stock and then visualise & check the closing price of the stock on current date

Skills Developed: Python, Machine Learning, Jupyter Notebook

#### Dog Breed Identification

- A system that can identify the breed of a dog among 120 different known breeds
- Trained a transfer learning model
- The ML model is fast and accurate in doing the classification task

Skills Developed: Machine Learning, Python, Computer Vision

#### Record Managing System for Parking Lot

### Tagline

An organised person ready to learn and improve upon skills

### Skills

C/C++ | Python | Javascript | React.js | Figma | Photoshop | Github | MS SQL | Machine Learning | Jupyter Notebook

### Education

Pimpri Chinchwad College of Engineering, Pune

B.Tech, Computer Science Engineering (CSE) | 8.77 CGPA

2020 - 2024

Army Public School

Class XII | 9.34 CGPA

2020 - 2020

Army Public School

Class X | 8.9 CGPA

2018 - 2018

### Certifications & Courses

Complete Machine Learning & Data Science Bootcamp 2022

- Types of machine learning techniques
- Various python libraries used for data analysis and Data preprocessing
- SciKit-Learn, TensorFlow and TensorFlow Hub
- Built a transfer learning based ML model for dog breed classification

August 2022 | [Certificate Link](#)

Machine Learning With Python

- Basics of ML and it's importance
- Maths behind the linear regression model, KNN model and decision tree
- Evaluation matrices used for classification and regression models

July 2022 | [Certificate Link](#)

Advance C++

- A system that can store and maintain the records of the cars entering and leaving the parking lot
- Created a Java swing application with MySQL as database
- The application provides a simple GUI and CRUD abilities along with login facility

Skills Developed: Java, MySQL, Swing (Java)

### Digital Invoice Printer

- A system that can help in printing bills and store bill records
- Developed a dynamic invoice printing application using C++
- The application is flexible and uses csv file to store the bills records

Skills Developed: C/C++, CSV, VS Code

### Devanagari OCR

- Working on building a OCR model that can recognise handwritten Devanagari sentences and convert them into digital form
- Using CRNN to develop the ML model
- Currently the model is able to recognise single words

Skills Developed: Machine Learning, Computer Vision, NLP, Python

- Standard Template Libraries
- Data Structures

July 2022 | [Certificate Link](#)

## Position of Responsibility

### WebMaster

- Worked as a WebMaster at PCCOE ACM Student Chapter. Built and maintained the student chapter website.
- Organised the flagship event of computer department ANANTYA 2023, also designed and built the event website and was in charge of 2 major events (Webbit and Perplexo)
- Conducted a full week workshop on Web development in collaboration with GDSC, PCCOE.

## Achievements/ Extracurricular Activities

- Selected for ACM India Winter School - IIT Goa
- Selected for international rounds of TE AI Cup 2023
- WebMaster at PCCOE ACM Student Chapter
- Leetcode top 11% in contest raking (Rating 1700+)