



Mrunal Vibhute

An aspiring and driven Computer Engineering student. I like to research and implement solutions that have an out of the box approach. I am fascinated of the applications of AI, Data Science and Machine Learning in various software companies. I am currently looking forward to work in an esteemed organization and hope to gain new experiences and learn a lot.

[Mail-id](#) | [Linkedin](#) | [Github](#)

Education

MKSSS Cummins College of Engineering for Women, Pune

2021 - 2025

CGPA - 8.53 (Current)

Ambrosia Junior College, Nashik

HSC Board - 92.50 %

St. Philomena Convent High School, Nashik

SSC Board - 91.20 %

Technical Skills

- Java
- Python
- Computer Networks
- Machine Learning
- Android Development - Kotlin
- Basics of IoT
- R

Soft Skills & Interests

- Teamwork
- Leadership
- Good communication skills
- Adaptability
- Time management
- Multi-tasking
- Canva & Figma - software designing tools
- Sports - Basketball player in the college team
- Drawing & sketching
- Dancing - Kathak
- Cooking

Languages

- English
- Marathi
- Hindi
- French (Basics)

Projects

Multimodal LLM and Computer Vision

Automated CAPTCHA Solving

A part of data acquisition pipeline. Makes use of Multimodal LLMs to identify scrambled images given the input images processed using Computer Vision techniques like Edge Detectors and Image segmentation.

Data Structures In Java

Pawsitivity

This is a console-based Java application for dog rescue and adoption centers, leveraging Arrays, LinkedLists, and graphs data structures. The project facilitates dog rescue by identifying nearby NGO rescue centers through graph-based algorithms.

Mobile Application

CruxCapture

A mobile application to summarize text, audio and video. The tech-stack include Api Integration, Android Studio Code, Java, Firebase, etc. Use of APIs and OpenAI LLM.

Database Management System - Mysql

BEEZY - Chat Application

Beezy is a dynamic chat application using HTML, jQuery, Bootstrap, PHP, and MYSQL database. The application allows real-time communication between users through a user-friendly interface, facilitating seamless interactions.

Machine Learning

Mood detection using audio input

Advanced Machine learning application of Multilayer Perceptron (MLP) Neural Network to detect mood of a person by extracting features from the input audio. Based on the features extracted and features learnt from training dataset, the mood (label) id identified.

Accomplishments

- Winner, Smart India Hackathon 2023, NTRO-provided problem statement: Efficient enumeration of URLs of active hidden servers over anonymous channel (TOR).
- Research paper presented at ICICT 2024 Conference, London on Machine Learning - USD to INR exchange rates and published in Springer LNNS publication.
- All India Women Hackathon 2023 finalist: Development of Braille Application.
- Winner of MINeD – National Level ML Hackathon organized by Nirmala University, Gujrat.
- College and Zonal Level Winners in Aavishkar '23 University Level Poster and Project Competition Organised by SPPU.
- Consolation prize in Webathon arranged by NHost and GDSC Cummins – Front-end website development competition.
- CII Ideathon finalist: EcoAlert - Pollution Control Solution for Pune