Ananya Rao

CSE 4th Sem, PESU RR
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Personal Summary

I am a tech enthusiast and am passionate about competative coding and image processing. I like coding games in my free time. I am well versed in C, C++, Java, Python, Kotlin and R.
I have learnt MERN stack(MongoDb, ExpressJS, React, NodeJs) and created websites.

Education

Course	Institution	Board/ University	Year	Score
B.Tech CSE (Sem 1-4)	PESU	PESU	To be completed in 2024	8.23
12th	Deeksha CFL	State Board	2020	94%
10th	Carmel School	ICSE	2018	93%

Internship

Microsoft(2022) – Pursued summer internship in Microsoft, India
Worked on Quantum Computing on the topic 'Portfolio Optimization'. Featured on Microsoft's tech episode on youtube - https://youtu.be/HPdEonz2DPQ

Github link- https://github.com/Ananyarao610/Project-Quantum.git

ISFCR, PESU - Internship in Center for Information Securty, Forensics and Cyber Resilience (ISFCR) under PESU Research. The project we are working on topic 'Hateful Meme Detection'.

Projects

1. **Game- Fruit Ninja with motion detection-** Implemented the classic fruit ninja game using motion detection and opencv. Players can move their fingers in the air infront of a webcam, which is used to cut fruits in the game.
https://github.com/Ananyarao610/Ghost_Smasher.git

2. **Kotlin app Hotel Hunt-** Table reservation app which simplifies hotel reservation and shows a timer. Built on android studio using kotlin.
https://github.com/Quantum-Qode/SpaceJam.git

3. **Pharmachemis**t – An online medicine and skincare product shopping website built with MERN stack.
   https://github.com/Ananyarao610/Pharmachemist.git

4. **Spam mail classifier-** Built a probabilistic model to detect spam mails, from scratch. https://github.com/Ananyarao610/SpamClassifier.git

5. **Image Filters (using C) -** Implemented filters like grayscale, gaussian blur, edge detection and image reflection from scratch using C.
   https://github.com/Ananyarao610/MultimediaTools.git

6. **Penguin species classifier-** ML model to classify penguins into 3 species based on their physical features like sex,flipper lebgth, culmen length and depth.
   Received 3rd prize in a hackathon organised by RV college for this project in 2021.
   https://github.com/Ananyarao610/PenguinClassification.git

Awards and Scholarship
1. Received DAC scholarship from PESU in 1st and 2nd semesters of BTech in the year 2021.
2. Recieved 1st prize in Pygame contest conducted by Dayanand Sagar University (DSU) in the year 2019.
3. Received 3rd prize in a hackathon organised by RV college for an ML model which classifies penguins into 3 species based on physical features in 2021.

Co-Curricular Activities
1. Logistics Head in student club MahilAI. MahilAI is a club focused on using Artificial Intelligence to improve woman safety.
2. Core member of sponsorship committee in social service club Aikya.
3. Computer Vision Mentor in tech club Embrione.

Courses taken
1. OpenCV course on Udemy
2. Standford University's Machine learning course CS229
3. Android Studio using kotlin from Google developers

Soft Skills
- Creative writing – Received 1st place in creative writing in school.
- Presentation skills