Ryan Valiaparambil

ryan19vt@gmail.com (+91) 7302139990 LinkedIn GitHub

ABOUT ME

Seeking an internship in software engineering to further develop my skills and contribute to delivering innovative and effective solutions to complex problems. I am eager to leverage my knowledge in machine learning and programming to contribute to a collaborative team and continue learning and growing in the field.

EXPERIENCE

Full Stack Developer Intern

Alhansat Solutions ***December 2022 - February* 2023**

- Module Assigned: Invoice Generator.
- Designed the frontend in figma.
- Coded for the frontend in Svelte.
- The module generates invoice based on the inputs entered.

AIML Intern

IBM SkillsBuild Program - Edunet Foundation ***September 2022 - November* 2022**

- Project Title: AI_Sign Language Recognition.
- Created a machine learning model using Transfer Learning. This model takes in the images of the sign and then predicts the output based on the American Sign Language (ASL).
- The ASL dataset was downloaded from Kaggle. The training set contained 2012 images and the testing set contained 503 images. The base model used was the InceptionV3 model and few layers were added on it.
- The model can recognize the signs with an accuracy of 93%.

PROJECTS

FeroCity – Iron Ore Quality Prediction | Website | ML Model

- A website through which iron ore buyer and sellers can interact. Sellers will be able to provide their mine and ore details and if it is Haematite ore then using their input lab result, we can **predict the purity of the ore for them.**
- Buyers will be able to **see all the available ores and their purity** along with the mine details.
- The model was trained on a **dataset having 7,40,000 rows and 24 columns**. The performance of the model was compared on different algorithms. **Feature extraction and hyper parameter tuning** was also done.
- **Adaboost** model gave the highest **R2 value of 0.9825.**

Fruits Classification | Github

- Fruits Classification Model can categorise fruits based on the **131 different classes of fruits and vegetables**, on which it was trained.
- Built the models using different approaches like using **CNN, VGG16, Inception ResNet and MobileNet** and compared their accuracy.
- Best Test Accuracy obtained for **CNN model = 0.9599.**

Attendance System using Face Recognition

- Using **OpenCV and haar cascade** made a program which recognizes faces from a digital image or real time video.
- It was trained on **112 images of 8 people in total.**
- Once the face is recognized, the program will store the person's name and the time at which they were detected and store it in a csv file which is finally exported once the program is closed.

SKILLS

Java, Python, C, Solidity, HTML, CSS, Javascript, Typescript, Nextjs, Astro, Svelte, Firebase, Power BI, Flask, Machine Learning, Deep Learning, Blockchain, Web Development, Data Science

POSITIONS OF RESPONSIBILITY

AIML Co-Lead at Google Developer Student Clubs CRCE ***August 2022 – Present***

- Organized Bit N Build 24hrs National level offline hackathon.
- Conducted a workshop on Machine Learning.
- Speaker for Google I/O Extended by GDSC CRCE

Training and Placement Coordinator **February *2023 - Present***

- Coordinated with other TPC's for smooth conduction of campus drive.
- Created student statistics in Microsoft Excel and PowerBI.

Jr Team Member at Robocon CRCE ***June 2021 - July 2022***

- Qualified for Stage 2 of E-yantra Robotics Competition 2021.
- Worked with cytron motor driver and coded the ps2 controller's integration.

EDUCATION

B.E Computer Engineering - Fr. Conceicao Rodrigues College of Engineering, Mumbai, Maharashtra, India. ***2020-2024***
CGPA – 9.64

12th Narayana Jr College, Thane. ***2018-2020***
MHCET – 97.94 percentile | JEE Mains – 94.2 percentile | Winner of Personality contest 2020 | 12th result – 82.6%

10th St. John The Baptist High School, Thane ***2015-2018***
Head Boy of the School | Winner of Personality contest 2017 & 2018 | Best Student Award 2018 | 10th result – 91.8%