ANUBHAV ANAND

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Work Experience

Celebal Technologies **May 2023 – prsent**

Data Science Intern *jaipur, Rajasthan*

- Research, design and implement state-of-art machine learning system using predictive modelling.
- Collaborate with the engineering team to develop solutions for complex business challenges and product features.
- Manage Big Data for training and deploying ML for business modules with large datasets structured and unstructured.
- Perform data cleansing, feature engineering, apply statistical and data visualization.
- Establish scalable, efficient, automated processes for model development, validation, implementation, and data analysis.

Koireader Technologies Private Limited **May 2022 – March 2023**

Computer Vision intern *Bengaluru, Karnataka*

- Worked in one of the most remarkable fields of Computer Vision Multi-Object Detection, image classification, image segmentation, and keypoint estimation.
- Working on object detection, our task is that we have to create different custom datasets for different AI models and then train them using a deep learning framework.
- provide feedback that will be used to improve ML models for computer vision feature extraction.

Projects

Automatic Attendance System Using Face Recognition | *Python, OpenCV, mediapipe,Pillow,CNN* **Github**

- This project is a comprehensive attendance system that leverages the power of face recognition to identify individuals and mark their attendance, Python and Flask provide the backend functionality, OpenCV is used for face detection and recognition, and Firebase is used as the database to store user information and attendance records.
- The model gives a satisfactory result with an accuracy of 96.82 when applied on the CNN model and gave 96.97 accuracy when applied on the ResNet50 pre-trained Model.
- After that the best model has been saved for system implementation based on their performance and applied the detection technique for detect the face of student and maintain their present in the Excel sheet.

Real-Time Weapon And Crowd Detection | *Python, YOLO , CNN* **Github**

- Developed a weapons Detection and trained it on a wide variety of weapons so that it can achieve high accuracy, in this project we used the YOLO framework because it has a high inference speed and also detects small or far objects.
- Faster R-CNN was applied using Feature Pyramid Network with ResNet-50 resulting in a weapon detection model able to be used in quasi-real-time, improving the state of the art on weapon detection in a two-stage training.
- The accuracy rate 84.6 has been achieved by a single-class classifier for gun detection. A gun and knife have been detected by the three-class classifier with an accuracy rate 83.

Education

Poornima College of Engineering **2020 - 2024**

Bachelor of Technology (B.tech) in Computer Engineering, CGPA: 7.76(till 6th sem) *Jaipur, Rajasthan*

Technical Skills

Languages: C++, Python, Machine learning, Computer vision
Databases: SQL
Libraries / Frameworks: Tensorflow
Tools / Platforms: Git,Linux, Heroku
Coursework: Data Structures, Algorithms, OS, DBMS, Computer Networks

Achievements

- I have secured two times winner at Child Right Congress(State Level).
- I got a global rank 4898th rank among 27k participants in the Meta Hacker Cup.
- Solved 500+ coding questions on Geeks for Geeks platform.