Naveen kumar Jadi

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EDUCATION

VNIT Nagpur **Nagpur, Maharastra, India**
Bachelor of Technology *Aug 2018 - May 2022*

TECHNICAL SKILLS

Programming Languages: Python, MySQL, Java, Matlab, HTML, CSS, Java Script
Libraries and Tools: PyTorch, Linux, Pandas, Numpy, OpenCV, Git, Docker
Skills: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Web Development, Data Structures and Algorithms
ML Architectures: CNN, YOLO, Transformers(BERT, LSTM), Faster CNN, GAN, Stabel Diffusion, Llama, RNN, RCNN

WORK EXPERIENCE

Data Scientist
Jio Platforms Limited, Karnataka, India *June 2022 - Present*

- Generating the Images based on the Prompt provided : Our Team is focused on the generating the realistic images based on the user inputs. I mostly contributed in the model performance and improvements of the model.
- Creating the Large Language Model for the user interface: we have designed a dashboard similarly like the chatgpt which takes the user input as prompt and gives the appropriate results based on user requirements.
- Real-Time Scoreboard Detection: Led the implementation of real-time scoreboard detection algorithms. Algorithms dynamically trigger ad displays based on significant events (boundaries, wickets, new player introduction).
- Made substantial contributions to the OCR component of the system. Extracted relevant features directly from the input stream originating from the stadium.
- Contributed to integrating the MMOCR (Mighty Optical Character Recognition) model for improved scoreboard text extraction. Implemented and optimized the Parseq model to enhance the accuracy of scoreboard recognition.
- Actively participated in developing a recommendation system for Indian apparel at AJIO. Focused on detecting specific items like sarees and Indian apparel in video feeds.
- Comprehensive Dashboard Creation: Contributed to the project to create a comprehensive dashboard. The dashboard aims to provide seamless product recommendations and enhance customer engagement in the context of Indian apparel
- Spearheaded a critical project on smoke detection in web series and serials. Led the integration of a smoke detection model to predict the presence of smoke, enabling timely warnings and cautions.
- Actively participated in customizing an Android app for TIRA. Integrated demonstration models and added custom layouts to enhance the overall user experience.
- Played a pivotal role in shaping the app's presentation and functionality through customization.

PROJECTS

- **Movie Recommendation System using TFIDF Vectorization**, Developed a recommendation system utilizing TF-IDF (Term Frequency-Inverse Document Frequency) vectors. The system generates the top 5 movie recommendations by analyzing the TF-IDF vectors, ensuring relevance to user preferences. https://github.com/naveenkumarkr723/Movie-Recommended-System/blob/main/recommend.ipynb
- **Pedestrain and Cars detection using YOLOv8**, Implemented YOLOv8, a state-of-the-art object detection model, for the detection of pedestrians and cars. Enabled real-time detection capabilities, allowing the system to process and identify pedestrians and cars on the fly. The project contributes to safety by detecting pedestrians for pedestrian crossings and cars for traffic monitoring.
- **Pose detections using Media Pipeline**, Implemented the MediaPipe framework for accurate detection of various human poses in images or video streams.Leveraged the pose estimation models provided by MediaPipe to identify key landmarks and joints in real-time.. https://github.com/naveenkumarkr723/POSE-DETECTION-USING-OPENCV/tree/main

INTERNSHIPS

- Learned and applied deep learning techniques and neural networks during a 6-month internship at Ineuron Technologies. Engaged in hands-on Natural Language Processing (NLP) projects, gaining practical experience in language-related applications. Contributed to cancer cell prediction projects, applying machine learning to the field of medical image analysis.

EXTRACURRICULAR ACTIVITIES

- **Event Coordinator for Prayaas** in VNIT Nagpur Club - june 2019 - May 2022
- **Sports Mentor** in VNIT Sports Club - jan 2020 - May 2022