Naveen umar Jadi

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I am a Data Scientist with over 2 years of experience specializing in computer vision, machine learning, and natural language processing. My expertise lies in building and optimizing models using deep learning frameworks such as TensorFlow, PyTorch, and TFLite. Additionally, I have a strong background in enhancing model performance with optimization tools like ONNX and TensorRT.

# Experience

## 2022 – Present

### **Data Scientist | Jio Platforms Limited | Karnataka, India**

### • 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). These models we converted into ONNX & Tensor-RT Format for better Processing time.

### • 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 ONNX Models 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. I contributed in the YOLOV8 Model training and batch processing and integrated with the Pipeline, Developed the masking technique to reduce the latency in the inferencing the video.

### • 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. Developed the android App using the Media-Pipe Pose.

# Skills

# Programming Languages: Python, MySQL, Java, Matlab, HTML, CSS, Java Script, kotlin

# Libraries and Tools: PyTorch, Tensor Flow, Linux, Pandas, Numpy, OpenCV, Git, Docker

# Skills: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Web Development, Data Structures and Algorithms, Elastic Search Dashboard, Kibana, Android Studio,

# ML Architectures: CNN, YOLO, Transformers (BERT, LSTM), Faster CNN, GAN, Stable Diffusion, Llama, RNN, RCNN, ONNX, Tensor-RT

# Education

## AUGUST 2018 – May 2022

### Bachelors of Technology | Electronics | Visvesvaraya National Institution of Technology | VNIT Nagpur

# Activities

Event Coordinator for Prayaas in VNIT Nagpur Club - June 2019 - May 2022 | Sports Mentor in VNIT Sports Club -Jan 2020 - May 2022 | Actively working as event Member in Jio Platforms