Varad Rane

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EXPERIENCE

Deep Learning Engineer (Intern)
Unscript.ai   **May 2023 - July 2023, Bengaluru,India**

· Trained and fine-tuned Text2Speech models to generate speech for our clients.

· Generated videos using lip-syncing models and processed videos.

· Deployed the model ready for production using Torchserve, Docker, and AWS EC2 Instances.

Deep Learning and Video Analytics
Jio Platforms   **December 2022 - February 2023, Mumbai**

· Designed and Developed YOLO Deep learning models for object detection.

· Developed image data augmentation scripts using Imgaug Python Library.

· Used Makesense.ai for image annotations and dataset creations.

PROJECTS

Vocal.ai
May 2023 - May 2023

· Build a torchserve server to serve Waveglow TTS model for inference .

· Developed a flask server to host Wav2lip and generate lip sync.

· Deployed backend using Docker and frontend using Streamlit.

BOCTOR - An AI assisted Medical Chatbot
GFG India Hackathon · January 2023 - March 2023

· Developed an NLP Intent-based chatbot model

· Deployed using Python Flask server and NextJs Frontend

· Project LInk: boctor.vercel.app

ScheduleEase - Automatic timetable generator for University
Technix- GEC Hackathon · April 2023 -April 2023 (3rd Place)

· Developed a Genetic Algorithm based timetable generator.

· Implemented Django API using Django Rest Framework to enter user data into the dbsqlite3 database.

· Implemented NextJs frontend for user interface

Facial Recognition System
BITS Quark Hackathon · March 2023 -April 2023 (3rd Place)

· Developed facial recognition system using Sklearn, Numpy and JupyterNotebook.

· Deployed using Flask server and UI using HTML, CSS and javascript.

SKILLS

Machine Learning / Deep Learning

Natural Language Processing

Tools: Conda, Git, Github, AWS, CodeCommit, EC2 Instances, Linux OS, Docker, Sagemaker, Kubernetes, Jenkins, Ansible,

VSCode

Framework/Libraries: Pytorch, Nltk, Tensorflow, SkLearn, YOLOV7, Django, Flask, Boto3, Pydub, OpenCV, Pandas

Languages: C++ , Python, HTML/CSS

EDUCATION

BTech Electronics and Electricals Engineering

National Institute of Technology Goa · Goa · 2024

INVOLVEMENT

Media Incharge

NIT Goa · TESLA Club – NIT Goa · January 2023 –April 2023

· Contributed as a designer and coordinator for various events at the club.

SUMMARY

Deep Learning Engineer Intern with experience in developing and deploying deep learning models. Proven ability to analyze, annotate and process complex datasets to uncover new patterns and trends. Seeking an opportunity to gain more experience in the field while contributing to the success of Unscript.ai and Jio Platforms

CERTIFICATIONS

Python for Data Science and Machine Learning Bootcamp

Udemy · 2022