Raj Shah

📞 +91 7303307070   @ tech.rajshah@gmail.com

Education

TCET
BE in Information Technology
📅 May 2023   📍 Mumbai, Maharashtra

Links

 GitHub **rajshah16**
 Linkedin **rajshah16**

Achievements

Smart India Hackathon
📅 Sept 2022   📍 Chandigarh , Punjab

- Build a uniform centralised GIS system for all major ports with land usage monitoring using segmentation from remote sensing data and hence providing actionable intelligence
- After passing all the three rounds, our team was declared the winner of our problem statement
- The **CERTIFICATE** of the competition

TENSYMP 2022
📅 June 2022   📍 Mumbai, Maharashtra

- Identifying Deepfake faces with ResNet50-Keras using Amazon EC2 DL1 Instances Powered by Gaudi Accelerators from Habana Labs
- The conference was held in IIT Bombay
- The **LINK** of the paper

Skills

PROGRAMMING LANGUAGES
Python • C++ • JavaScript

LIBRARIES/FRAMEWORKS
Django(Basic) • NodeJS • FastAPI • ReactJS

TOOLS/PLATFORMS
Google Cloud • Firebase • AWS • Git

DATABASE
MySQL • MongoDB

Experience

WEB DEVELOPER INTERN
OSP Labs
📅 May 2021 – July 2021   📍 Mumbai, Maharashtra
📅 Jan 2022 - May 2022   📍 Mumbai, Maharashtra

- The task was to make UI changes and add functionality to the project according to the Clients requirement
- Extensively used **redux-saga** middleware to decrease the client side rendering and pass data efficiently
- Building backend API connecting it with the frontend and also making native apps for that product
- The tech stack used is **React , Redux , Nodejs , Expressjs , Mongodb and React Native**

Projects

DEEP FAKE DETECTOR | **CODE**

- Trained a Deep Fake Detecting model using ResNet 50 architecture on **AWS DL1 instance**
- Integrated the model on Web application with **FastAPI** as backend and **ReactJS** as frontend
- The model could detect the GAN generated deep fakes and achieved an accuracy of about 74 percent
- Submitted as an entry towards the **AWS Deep Learning Challenge 2022**

EV CHARGER SHERLOCK | **CODE**

- The main purpose of this project is to find the optimal locations for tne installation of new EV Charging Station in a city
- This project we have presented in the international hackathon conducted by MIT

OBJECT DETECTION | **CODE**

- The project is made by using **ReactJS** in frontend and **Tensorflowjs** in the backend.
- In this project we have included two parts a user can upload the image to detect an object and also they can start their video through which they will be able to detect it live.
- We have used a library named **Coco-ssd** from the tensorflowjs

TASK MANAGEMENT | **CODE**

- The services defined by this API is creating task , user authentication , reading profile etc.
- This API consist of all services through which one can build the whole management system
- The tech stack used for this project is **NodeJS**, **ExpressJS**, **MongoDB** and **Heroku**

Certifications

Introduction to C++

Data Structures in C++