Vikranth Reddy Kanumuru

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EXPERIENCE

UTS | Data Scientist   Sydney, Australia | February 2020 – January 2021
- Developed a computer vision model with the objective of identifying sharks and other marine animals in the vicinity's of the beach employing a drone
- Developed a dashboard that allows different kinds of users to access multiple drone video footage all in the same place with varying levels of authority to some kind of action like adding and removing users, drones and others based on subscriptions
- Worked with Antmedia team to configure streaming services and integrated it with AWS to fit our use case
- The project received the AiiA award and got featured in ABC Australia

SELECTDINE | Software Engineer Intern   Vellore, India | April 2018 – June 2018
- Developed a PWA for their already existing android app so that they can extend their reach towards IOS customers.
- I was made the lead engineer to a team of 4 members and collaborated with other domain teams which helped me learn project management skills and tools such as managing teams like keeping track of each member everyday work log, reviewing pull requests, and other such activities

HELTO | Software Engineer Intern   Vellore, India | January 2018 – March 2018
- Converted the entire backend from Flask to Node which resulted in improved performance and access to more relevant packages
- Added a microservice flask app to deploy machine learning model and run them together with the main node app using docker and docker compose
- Along with another team member used java for developing a GUI interface of a hardware product line for doctors and patients

PENBOUND | Frontend Web Developer Intern   Mumbai, India | November 2017 – January 2018
- Developed frontend of a new story telling feature that generates stories dynamically and based on input adapts to them. This resulted in decreased customer churn of the app and thereby increasing subscription revenue

SKILLS

Programming Skills	Python, C++, Javascript, SQL, C#, R
Industry Knowledge	Full Stack Development, Data Science, Project Management, Augumented Reality
Frameworks and Tools	Git, Docker, React, Node, Tensorflow, Pandas, Matplotlib, AWS, Tableau, Unity

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY | B.Tech Computer Science   Vellore, India | November 2016 - June 2020
GPA: 8.88

PROJECTS

VR GLOSSOPHOBIA THERAPY | Unity, Blender
Made a VR simulation of public speaking that takes the user into a VR enviroment designed to be a stage so that constant exposure towards the enviroment can lead to the reduction of Glossophobia(Stage fear)

SHARK SPOTTER | Tensorflow, Keras, CVAT, React, Node, AWS
Used Region CNN to train a model which is then mounted on an unmanned drone to indentify sharks and surfers. When a shark is detected near a surfer, an alarm is issued through a microphone on the drone. A

dashboard was also developed including the frontend(React) and backend(sails.js) which monitors and manages the drones based on assigned authority to the loggedin user and also allows general users to watch live feed from live drones in a single place. This project has saved many lives in Australian beaches and has recieved AiiA award.

NARUTO HAND SIGN RECOGNITION USING DEEP LEARNING | FastAI, Jupyter
https://github.com/kanlanc/naruto-hand-sign-detection
Made a popular anime Naruto hand sign recognition model using CNN. This project can be used in AR games involving this particular anime

AR BIRTHDAY WISHER USING AFRAME | Aframe   https://github.com/kanlanc/ARbirthday-aframe
Using Aframe(web AR) made a project that has various effects and gives birthday wishes

PWA FOOD ORDERING APPLICATION | React, Redux, Node, AWS
Following agile principles deevloped a progressive weeb app(PWA) application for the company Selectdine that has all the features of food ordering and restaurant booking app.

AWARDS

C2P GRANT CASE AWARD COMPETITION February 2019
Team Enactus, participated in the 5th edition of the C2P CASE grant competition held at SRCC-Delhi and secured the 2nd Position for their Project Envision. The project is an initiative that aims to generate employment for visually challenged people, in a bid to help them become financially independent.

IAWARDS AiiA
Shark Spoter recieved this award from Australian Information Industry Assosiation(AiiA)

FACEBOOK SCHOOL OF INNOVATION AR SCHOLARSHIP Facebook