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Education

2020-2024
(B.Tech): Computer Science
Amrita Vishwa Vidyapeetam

2006-2020
High School Education
Swamy's School

Skills and Tools

- Javascript / Typescript,
- Django
- Python
- React JS
- Flutter
- Node JS
- Pytorch /Tensorflow
- Kubernetes
- Rest API / GraphQL
- SQL / No-SQL
- Git / Github
- Linux
- Jenkins
- Docker
- Matlab / Java
- Arduino
- UI / UX Design
- HTML / CSS / Bootstrap

Research

- Published a journal on Prediction of COVID-19 with Supervised Regression Algorithm Through Minimum Variance Unbiased Estimator.
- Drafted a research paper on detection of landslide using YOLO v7 algorithm.
- Working on a research paper about using the YOLO technique to find trash in the ocean.

Rohith ND

To pursue a highly rewarding career in challenging and healthy work environment where I can utilize my skills and knowledge efficiently for organizational growth. Seeking a responsible role to explore and enhance my technical knowledge gained at University in the last few years

Projects

○ Drug Adverse Predictions using FDA dataset

To help the patients to identify whether a prescribed drug has fewer or no negative side effects by predicting the adverse side effects of the drug based on usage

○ Built a DevOps app for a deep learning application

Built a slim, secure and production ready hybrid app for identifying drug adverse effect and deployed the docker image in Digital Ocean droplet.

○ Maid Services App

Developed a full-stack, commercial web and mobile application for maid services that allows consumers to book maids for daily duties and maids to locate everyday chores over mobile app.

○ Sketch Icons (Open source package)

An open-source icon collection with more than 600 icons makes it simple for people to use icons. By dynamically loading an SVG for each icon, the component makes sure that your app only requests the icons it needs.

○ Deep learning based Dyslexic application

To help dyslexic kids on their learning arc and improve their skills with the help of deep learning based web application.

○ Summarisation using Deep learning

Created a NLP based project where the GPT-2 model aids in elaborating the text, while the DistilBERT model aids in summarising videos or blogs. Built a chrome extension which allows users to complete all actions with a single click.

○ MLOps for Image Classification

Built an image classifier for several datasets using various neural networks models such as Alex Net, created a hybrid app for the classifier as well as configured CI/CD using Jenkins.

○ Deepfake detection using GoogleNet

Deepfakes may be used maliciously as a source of misinformation, manipulation, and harassment. It uses deep learning to assist in determining if a face is real or not.

○ Health Care App

Built a commercial mobile app which features online doctor consultations, doctor appointments, real-time prescription updates by doctors, and patient medical histories.

○ Deep learning based Art Hub

Deep learning based web application which generates art using text based on VQGAN , captions images using transformers and colour restoration for old photographs and videos.

○ Image-Image Translation using CycleGans

Utilised CycleGAN technique which uses mismatched collection of image from two separate domains to train unsupervised image translation models via GAN architecture.

Achievements

- Secured 1st place in SLIM AI Devops hackathon with a cash prize of 2.5L INR
- President of Coding Club in Amrita Vishwa Vidyapeetam , Chennai.
- Secured 3rd place in PSG ITechHackfest'22 organised by SAP Laboratories and Kaar Technologies.
- Runners of Caterpillar's Code-A-Thon 2022.
- Winner of MLH Hacking Heist 2022 , MLH Waffle Hacks 2022 , MLH YeeHaw Hacks 2022 ,MLH Deep Dive Hacks, MLH Thehacktrical 2.
- Runner of Medical Hackathon 2021 organised by SSN institution , Chennai
- Winner of Phobos'21 an IntraUniversity competition organised by Amrita Vishwa Vidyapeetham.
- Winner of SRM TechFest'19 for school students .
- Winner of Technocrats 2017 organised by Technocrats Robotics club,India.
- Participated in various hackathons organised by AWS, Snapchat and other organisations