SHASHANK SAI BEMBERKAR

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EDUCATION

UNIVERSITY OF GEORGIA, Athens, GA
MS - Artificial Intelligence (GPA-3.52) 2022 - May 2024
Courses: Data Mining, Artificial Intelligence, Deductive Systems, Machine Learning, Big Data and AI in Public Administration and Policy
SRM University, Chennai, India 2018 - May 2022
Bachelor of Technology - Electronics and Communication Engineering
Courses: Python, Data Analysis, Applied Machine Learning, Machine Perception with cognition

TECHNICAL SKILLS

- Programming Languages*:* Python | SQL | R
- Cloud: Microsoft Azure | AWS
- Computer-Aided Design: Tableau
- IDEs: Visual Studio | Appium and Inspector | Eclipse | Spyder | Jupyter | Google Colab | GitHub
- Repertoire*:* AI Algorithms | Deep Learning | Machine Learning | NLP | OPEN CV

EXPERIENCE

AI, ML INTERN | SAMSUNG PRISM | SEP 2022 - MAY 2022

- Worked under the work-let of Enhanced App Exploration Testing using AI with Interaction Mining
- The goal of this AI to make recommendations of user interactions that are going to make in an application.

MACHINE LEARNING INTERN | PANTECH SOLUTIONS PVT LTD | MAY 2021 - JUNE 2021

- Created models using various ML algorithms which are used for predicting with increase in accuracy.
- Worked on larger datasets for training models and deployed to cloud.

INDUSTRIAL INTERN ON IOT WITH ML | IEEE NITK | JAN 2021 - FEB 2021

- Developed code that integrates hardware that controls home automation using python.
- Worked on code that turns on the mobile camera and captures real-time data used building DL models.

ACADEMIC PROJECTS

Self-Driving Car Implementation – AI

- Implemented a self-driving car (AI) model Using Q-learning, Deep Q-learning and Experience replay, which runs by Reinforcement Learning.
- Employed Adas technology and a 68-facial landmark detector to recognize road signs and driver drowsiness.

Object Detection and Tracking – AI

- In this project using open CV, implemented an object detection and tracking by considering the first image as reference and detects the motion of objects according to reference image.

Face Expression Recognition System – AI

- In this, I have used Deep-Face, a python framework which is used to analyze the facial attributes (age, emotion, gender) of a person. I have used haarcascade frontal face xml file to detect the specified objects in image/video.

Mercedes – Benz Greener Manufacturing – ML

- I have used different regression models including linear regression, Random Forest Regressor, KNN, Xgboost Regressor for the prediction, which reduces the time that car spend on the test bench of Mercedes – Benz.

Crop and Yield Prediction – ML

- I have used KNN, ANN, Random Forest, SVM models that allows a user to explore potential crops and their yield in order to make accurate decisions.

HONORS AND ACHIEVEMENTS

Committee Head for Directorate of Student Affairs | SRM UNIVERSITY | India 2018 - 2022

- In-charge for pre - post arrangements for the academic and cultural events in the university.

TechKnow Fair | SRM UNIVERSITY | India May 2019

- Winner of TechKnow Fair for developing project, PROTECTO-360° - Automated Railway Gate System

Cloud Skill Challenge Winner | MICROSOFT AZURE Feb 2022

- Completed cloud skill challenges from Azure and secured first place in the competition.