SAI CHARAN KUMMARI

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EDUCATION

Sapienza Università di Roma. **Rome, Italy**

Masters Degree in Computer science *Graduation Date : Coming soon*

- Coursework : Machine Learning, Computer Vision, Big Data Computing, Advanced Software Engineering, Cloud Computing.

Jawaharlal Nehru Technological University. **Kakinada, India**

Bachelor's Degree in Computer science *2015-2019*

- Coursework : Data structures , Database Management systems, Hadoop and Bigdata, Software Engineering Java Programming , Web Technologies, Operating Systems, C & C++, Software Testing Methodologies.

Academic Projects Accomplished

Book Recommender System

- The Project is based on Recommendation Systems on books . With the help of various techniques/methodologies I was able to successfully create a recommender system for the users based on their previous viewing habits and based on their ratingsRatings go from one to five.Both book IDs and user IDs are contiguous. For books, they are 1-10000, for users, 1-53424. All users have made at least two ratings. Median number of ratings per user is 8.

Sport Action Recognition with pose estimation : Application to cricket

- Human pose estimation from video or a real-time feed plays a crucial role in various fields such as full-body gesture control, quantifying physical exercise, and sign language recognition.It finds its major part in augmented reality.Media Pipe Pose is a framework for high-fidelity body pose tracking, which takes input from RGB video frames and infers 33 3D landmarks on the whole human. Current state-of-the-art approach methods rely primarily on powerful desktop environments for inferencing, whereas this method outperforms other methods and achieves very good results in real-time.

Home Credit Default risk

- Implemented the logistic regression model on the dataset after scaling the dataset. found out AUC Score to be 0.72785. Also, implemented naïve bayes to the dataset and Random Forest Classifier on the dataset to get a Good AUC Score. However, it achieved only 0.58973 on GaussianNB and 0.69777 for Random Forest Classifier. Lastly, implemented neural networks to aid in predictions and the prediction slightly improves to 0.72257.

Smart Pillow

- For this project we have used Arduino,HC05 Bluetooth Sensor,Breadboard,Servo motor and Wires.We have made an application **"AlarmManager".** We have an Program which is in Arduino. We have to Run the Program, Compile the program , And then Upload the Program on the board. Then Click On that Application Firstly it will ask Some Permissions To turn on The Bluetooth Device and then Allow After That we have time feature to set alarm.

Extra Curricular Activities

- Attended **" Salesforce Cloud Trail Head "** workshop conducted in KHIT, Guntur in 2018
- Attended **" Artificial Intelligence "** workshop conducted in JNTUK, Kakinada in 2017.
- Participated in **National Services Scheme (NSS)**
- Organized Events like **Go Kart League, Drone Dart League.**

SKILLS & INTERESTS

Scripting Languages : Python, JavaScript

Web Languages and Frameworks :HTML5/CSS3, Flask, Django, React JS

Databases : MYSQL, PostgreSQL, MongoDB

Scaling Platforms : Docker, Kubernetes

Interests: Reading, Travelling, Cooking and Hiking.