

Prasanthi Boppana



Personal Information

Date of Birth : 21/04/1997



Summary

Seeking a beginner role to enhance and explore my technical knowledge gained at Jeppiaar Maamallan Engineering college in the last four years. Now gained more knowledge in University Sains Malaysia and upgraded myself as a Data Scientist by adapting to new technologies and skills.



Education

University Sains Malaysia, Gelugor, Penang
Master of Science, Data Science and Analytics, Jul2021

Jeppiaar Maamallan Engineering College
Bachelor of technology in Information Technology, Apr. 2019

P.M.R Matriculation Higher Secondary School, Chennai, Tamilnadu, India
Computer Science, Apr. 2015



Courses

- April 2017 - July 2017
C, C++, Orange Technology
- September 2017 - December 2017
Java Programming, Orange Technology



Workshops

- Attended Hands-on Workshop on BIGDATA Hadoop and Hive, Chennai, Tamilnadu, India, July 2017 - July 2017
- Attend Workshop on Mobile Apps Development Using IOS, Chennai, Tamilnadu, India, March 2017 - March 2017



Activities

- March 2017 - March 2017
Industrial Visit to Bharat Sanchar Nigam Limited.
- January 2019 - January 2019
Industrial Visit to Indian Space Research Organization (ISRO).



Projects

- **Machine Learning Project using Python** : Given the attributes of the online shoppers data, predict whether the individual who visits the e-commerce website will ended up making a purchase or not. It is framed as a supervised learning method with binary classification.

Personal Info

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Skills

Data Visualization Using Microsoft Power BI, Tableau and Paraview



Machine Learning using Python and R studio



SQL Programming Language, Hadoop, Hive, NoSQL



Languages

Tamil



Telugu



English



Hindi



- **R Studio Project** : We predict the location of the virus based on the protein information using four different classification (supervised) model. We are able to obtain up to 70% accuracy in predicting the location given the limited amount of data we have. In conclusion, this experiment contributes in reducing the time taken for contact virus tracing.
- **Big Data Project using MongoDB and Cassandra** : In this project we used a dataset named crime dataset and performed queries from MongoDB and Cassandra to retrieve the data from the dataset.
- **Data Visualization Project using Tableau** : By using the well-known data visualization tool known as Tableau, we did numerous visualization researches on our dataset which encompassing data about online hotel booking system. Our team try to visualize the models like bar chart, pie chart and geophysical chart to visualize our dataset based on hotel booking and is_canceled attribute.
- **Data Visualization Project using Paraview** : In this project, a series of 2D slices CT-scans of the main organs of the abdomen and pelvis are provided by a certain radiologist and our task is to use proper visual idioms to help her identify the major organs and detect the presence of suspicious abnormal tissues.

Main Project

The main goal is to construct a trust model based on facial emotions by using video dataset.

- By using OpenCV to extract the Facial expressions like happy, sad, angry, surprised, disgust, neutral or fear from the video clips automatically.
- To create a model to determine facial emotions matching to the basic emotions.
- To construct the trust model by predicting the level of trustworthiness based on facial emotions by using Supervised Learning algorithms like k-Nearest Neighbor, Decision tree, Naïve Bayes and Support Vector Machine.