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SKILLS

- Python
- SQL
- Machine Learning
- Deep Learning
- Tensorflow/Keras
- Git
- Java 8
- Angular 9
- SDLC

PROJECTS

Face Recognition Attendance System

- Developed a web application that uses computer vision to verify whether the person is who he claims to be.
- Leveraged MTCNN face detector model to extract face of a person from the entire image.
- Applied FaceNet model architecture by Google that uses a Siamese network to verify two images are of the same person or not.
- Stored the generated embeddings of the face image in a MongoDB database for later comparison.
- Deployed the application on an AWS and exposed the service using Flask API.

Car Price Prediction

- Built a web page to help users estimate an approximate price of a used car based on the user inputs.
- Scrapped data from various used car selling websites using BeautifulSoup module to create my own dataset and cleaned the scrapped data to prepare for training models.
- Trained various regression models and evaluated their performance using Cross Validation.
- Performed hyperparameter tuning on XGBoost regressor model, to get best possible model for the problem at hand.

Credit Card Customer Clustering

- Reduced the dataset available to a smaller dimension using PCA as a dimensionality reduction technique.
- Performed clustering of the resulting data using KMeans clustering and Hierarchical clustering, using elbow method and dendrograms respectively.
- Evaluated the performance of the clustering model using silhouette score.
- Received 15+ upvotes for this notebook on Kaggle within 10 days.

WORK EXPERIENCE

Software Developer, CitiusTech Inc.   **June 2019 - Present**

- Co-ordinated with cross functional teams to carry out development activities for web pages using Angular 7.
- Developed a POC for a new client by communicating with senior members and presenting the solution to them.
- Upgraded version of angular in the application from version 7 to 9, making sure all existing features are working perfectly. This reduced the size of the application by 9% and thus improved performance.
- Made the application compatible with legacy browsers like IE11.
- Involved in accelerating lagging unit test cases of the project to achieve a code coverage of more than 80%.

EDUCATION

Sardar Patel Institute of Technology -B.E. in Electronics and Telecommunication
Cumulative GPA: 8.79   **August 2015 - April 2019**
Core Subjects: Applied Mathematics, Structure Programming Approach, Image and Video Processing.

COURSES AND CERTIFICATES

- Deep Learning specialization (5 Course Specialization) from deeplearning.ai
- Awarded 2x Kaggle Expert title.
- Machine Learning Course from Ineuron.ai
- Won multiple bronze medals on Kaggle for various notebooks and datasets
- Statistics for Data Science certification from Ineuron.ai