

Puneeth Gopi

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SKILLS

Programming Languages: Python, Java
Machine Learning: Regression, Clustering, Classification, Segmentation, Feature Selection, Deep Learning, Model Optimization
Image-Processing Libraries: OpenCV, PIL, Scikit-Image
Databases: MySQL, Google Firebase, MS SQL Server
Python Packages: NumPy, Pandas, Matplotlib, TensorFlow, SciPy, Keras, nltk
SDLC: Agile (SCRUM)

EDUCATION

Master of Science in Computer Science (GPA 3.67/4)

UNIVERSITY OF TEXAS AT ARLINGTON

Aug 2018-May 2020

Courses

- Neural Network, Computer Vision, Data Science, Data Mining, Artificial Intelligence, Advanced Database Management, Software Engineering

PROJECTS

Conversational Chatbot

WRITTEN IN PYTHON

Jan 2019 – Aug 2019

- Trained a sequence to sequence deep learning model on Reddit dataset to create a Chatbot.
- Deployed the trained model to a server using the Flask framework and hosted using Heroku.

DeepPrivacy

WRITTEN IN PYTHON

Oct 2019 - Dec 2019

- Used GAN to generate a realistic face and mask it on original image for face de-identification.
- Used MTCNN for better face alignment and smoother transition of frames in a video.

Parking Management System

WRITTEN IN JAVA

Feb 2019 - April 2019

- Implemented campus car parking system with separate functions for admin and parking users.
- Designed and developed the Android application by using software engineering methodologies.

Forecasting future currency exchange rates

WRITTEN IN PYTHON

Nov 2018 – March 2019

- Used recurrent neural network to predict the exchange rate between the USD and the INR
- Used Sliding Time Window method for fetching important patterns in the dataset that are highly dependent on the past bulk of observation.

Basketball Machine Learning Model

WRITTEN IN PYTHON

June 2018- August 2018

- Trained a machine learning model to output the win probability of two basketball teams, given information about relevant statistics for the specific year.
- Predicted the winners of past games with a 74.56% accuracy using gradient boosted regression trees.