Sharan Sundar

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EXPERIENCE

Under Graduate Research Assistant
Solarillion Foundation
June,2017 –Present , Chennai

- Developed and deployed a Machine Learning model in real-time for predicting the occupancy of a movie using its booking history in collaboration with one of the top three multiplex chains in India.
- Developed a Generic Deep Framework for Cross-Domain Univariate and Multivariate Time Series Forecast including Stocks.

PUBLICATIONS

Convolutional Long Short-Term Memory Neural Networks for Hierarchical Species Prediction
- ***CLEF 2018,Avignon,France***

DeepTrace: Generic Deep Framework for Cross-Domain Univariate and Multivariate Time Series Forecast (Under Review)
- ***AAAI,2019,Hawaii***

A Machine-Learning approach to Occupancy Forecasting using Feature Tuning(Under Review)
- ***SIAM International Conference on Data Mining (SDM19) 2019,Canada***

EDUCATION

Computer Science Engineering
Anna University (SSN College of Engineering)
05/2015 – Present *7.9*

Higher Secondary Education-CBSE
Chettinad Vidyashram, Chennai 28
06/2000 – 04/2015 *94.8%*

ORGANISATIONS

President, Association of Computer Engineers(ACE), SSN College of Engineering
August,2018 – Present

EVENTS

Smart India Hackathon 2018, Gujarat
Finalists

Smart City Hackathon 2017, Rajkot
Finalists

Ideathon(Paytm) 2016, Delhi
Top 100 in India

NOTABLE PROJECTS

Road_not_taken
- An application that reads road networks as shapefiles and generates the minimum spanning tree using conventional and agent- based (Reinforcement Learning) algorithms – *Pytorch,Kivy,Pyshp*

Occupancy_Prediction
- Deployed Branched-LSTM Deep models and ExtraTrees models with engineered and tuned features to predict occupancy per screen per show for a popular multiplex in real time– *Keras,Pandas*

Speed Control of DC Motor using Arduino
- Developed a polynomial regression algorithm to stabilize the error between the user and sense speed under no load and loaded conditions for a 12 V DC motor -*Arduino,12V DC Motor,IR Sensor*

Abstractive Text Summarization - Final Year Project
- Building an algorithm that can understand context from corpuses of text and summarize appropriately –*Tensorflow,NLTK*

SKILLS

Advanced: Deep Learning, Python

Intermediate: C++, Java, Linux, NLP

Beginner: Android, Reinforcement Learning