Jayavardhan Reddy Peddamail

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AREAS OF INTEREST

Machine Learning • Deep Learning
NLP • Time-Series Analysis

EDUCATION

OHIO STATE UNIVERSITY
MS in Computer Science
Expected May'19 | Columbus, OH
Cum. GPA: 4.00

NIT, TRICHY
B.Tech in Electronics and Communication Engineering
May'15 | Trichy, India
Cum. GPA: 8.10 / 10.0

LINKS

Github:// jayavardhanr
LinkedIn:// jayavardhanr

COURSEWORK

Question Answering Systems
Social Media and Text Analytics
Speech and Language Processing
Machine Learning
Advanced Artificial Intelligence

SKILLS

PROGRAMMING

Over 5000 lines:
Python • Java • Matlab • LaTeX
Over 1000 lines:
R • C • C++ • SQL • Shell
Familiar:
HTML • CSS • JavaScript • MySQL

TOOLS/PACKAGES

Expert:
Keras • Tensorflow • Scikit-Learn
Numpy • Pandas • NLTK • Git
Proficient:
Pytorch • CoreNLP • Spark • S3
Plotly • BitBucket
Familiar:
Spacy • CUDA • ELK • Docker

AWARDS

Citi Star Award
Citi Le-novation Award
Best Outgoing Student'09, '11

PUBLICATION/TUTORIALS

TUTORIAL - END-TO-END SEQUENCE LABELING VIA BI-DIRECTIONAL LSTM-CNNS-CRF May 2018
ICML 2018 - Enabling Reproducibility in Machine Learning MLTrain@RML

WORKSHOP PAPER - A COMPREHENSIVE STUDY OF STAQC FOR DEEP CODE SUMMARIZATION July 2018
KDD Deep Learning Day 2018 - Selected for Oral Spotlight

EXPERIENCE

DEEP LEARNING INTERN | The Climate Corporation | May'18 – July'18 | Saint Louis, MO

- Worked on weather-modelling for seeding rate prescription. Developed Autoencoders to generate features from multi-variate weather data.
- Designed transfer learning approach to use trained weather model in a supervised machine learning algorithm to predict optimal seeding rate. The model deployed as part of the Climate field-view application.

NATURAL LANGUAGE PROCESSING ENGINEER | Citi Group | June'16 – June'17 | India

- Developed models for Information Retrieval from financial Trade chats using NLP and Machine learning.
- Designed and tuned models to classify chats between different financial entities. Developed regex to capture financial entities from the unstructured financial text data.
- Developed a NER system to detect entities in a financial chat and deployed deep learning model, which can extract Ticker information from an unstructured trade chat.

APPLICATION DEVELOPER | Citi Group | July'15 – June'16 | India

- Worked on the development Java module for automated Runbook generation and performed POC on blockchain for Reconciliation.

RESEARCH/PROJECTS

GRADUATE RESEARCH ASSISTANT | Nationwide Center For Advanced Customer Insights | August 2018 – Present
Solving critical problems in Insurance industry using Machine Learning

GRADUATE STUDENT RESEARCHER | Adviser : Prof. Huan Sun | Spring 2018 – Present
Currently exploring strategies to use distant supervision techniques to boost the performance of Code Summarization models.

RESEARCH PROJECT | Adviser : Prof. Jihun Hamm | Spring 2018
Exploring Deep Learning techniques for future event prediction in discontinuous time-series.

STUDY OF SEQUENCE LABELLING IN NLP March'18 - May'18
Experimental study of State-of-the-art models for different Sequence Labelling tasks in NLP