

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-CNN-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 will be 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.
- Developed regex to capture financial entities and utilized Tri-training approach to utilize large quantities of unlabelled data. Designed and tuned models to classify chats between different financial entities.
- 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. [Github Repository](#)

STUDY OF SEQUENCE LABELING IN NLP MARCH'18 - MAY'18

Experimental study of State-of-the-art deep learning models for different Sequence Labeling tasks in NLP. [Github Repository](#)