# 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 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 machine learning 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
- Developed java based module for automated Runbook generation
- Performed Proof of Concept on Block chain 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
Explored deep learning techniques for future event prediction in discontinuous time-series, implemented new loss functions for time series and explored point-process techniques. **Github Repo**

**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 Repo**