

NITIN KISHORE SAI SAMALA

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<https://snknitin.github.io>

work history

Graduate Research Intern May 2017
Information Extraction and Synthesis Laboratory (IESL) Amherst, MA

- Extractive Single-Document Summarization using recursive cardinality models on NYT dataset in TensorFlow
- Processed wikipedia data and created BLESS datasets in multiple languages for Unsupervised Hypernym detection by Distributional Inclusion Vector Embedding
- Coded a Transition-based Dependency Parser in PyTorch

Full Stack Applications Developer Sep 2015 - Jun 2016
Oracle Financial Services Software Limited Mumbai, MH

- Programmed REST based Web Services in Java using Eclipse-Link framework for Banks and Financial Institutions.
- Designed the UI of User-Management module for the Internet Banking application using Knockout JS.
- Orchestrated a Security-Penetration Testing and Ethical Hacking of the application.
- Build Automation and Continuous Integration on Docker.

skills

- Python, TensorFlow, PyTorch
- C, MATLAB, Java, JavaScript
- ParIAI, NumPy, Scikit-learn, Pandas, NLTK
- Linux, Git, PyCharm, Eclipse

education

Master of Science: Computer Science May 2018
University of Massachusetts Amherst Amherst, MA

- Coursework in Advanced ML, NLP, Probabilistic Graphical models, Deep and Reinforcement Learning
- Minor in Data Science - Algorithms and Systems
- 3.8 GPA

B.E. (Hons): Electronics and Communication July 2015
BITS Pilani Hyderabad, Telangana, India

projects

- Multilingual representations for cross-language NLP - Created embedding using Artificial Code-Switching to generate language agnostic word vector models for any NLP task.
- DSR Reinforcement Learning to navigate a Labyrinth - Generalized Successor Representations from Neuroscience within an end-to-end deep reinforcement learning framework, comparing its efficacy to DQN on two diverse environments (Mazebase and DOOM) given raw pixel observations.
- Sarcasm Detection for Target-dependent Sentiment classification - Trained a model on Tweets to detect sarcasm using N-grams, Sentiment scores and Topic modelling to improve sentiment classification of Amazon reviews

accomplishments

- First place in a Google Hackathon
Used Firebase and Google maps API to develop an app called InTheBin! to obtain crowd-sourced locations of nearby trash cans
- Best-all-rounder (General Proficiency award)
Won several Quizzes, Literary and Cultural events/competitions throughout high school and undergrad