Chetan Nagaraj Naik

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EDUCATION

Master of Science, Computer Science — Aug. 2014 – May. 2016 (expected)
Stony Brook University, Stony Brook, NY.
GPA: 3.48/4

Bachelor of Engineering, Electronics & Communications — Aug. 2007 – Jun. 2011
R. V. College of Engineering, Bangalore, India.
CGPA: 8.67/10

WORK EXPERIENCE

Research Assistant — Jan 2015 – Present
Natural Language Processing Lab, Stony Brook University

- Developing a question answering system that can recognize instances of processes. The system can automatically identify the key semantic roles and use them in an alignment framework to answer 4^{th} grade process recognition questions.

Analyst — July 2011 – May 2014
Google India Pvt. Ltd., Hyderabad, India

- Developed and launched a ad-click spam filter which addresses one of the most pressing click fraud problems. It has an impact of around $1 million a month.
- Designed and developed metrics infrastructure for the global team of 50 analysts.
- Developed a method based on Pearson correlation coefficient for histogram similarity search. This helps Google detect fraudulent publisher accounts and prevent millions of dollars worth of damages to advertisers.

ACADEMIC PROJECTS

Question Answering System. — Feb. 2015 – May. 2015

- Built a question answering system that uses alignment over semantic roles to answer and pass a 4th grade science exam. The model has an accuracy of 62.5

Predicting Super Bowl and College Football champions. — Aug. 2014 – Dec. 2014

- Built machine learning models to predict the winners of 2015 Super Bowl and College Football Championship. The model has an accuracy of 63%.

Predicting rating stars of Yelp reviews from review text. — Aug. 2014 – Dec. 2014

- Built topic models using LDA and NMF along with sentiment layers to predict the review star rating from review text with 61% accuracy.

Predicting facial beauty using CNN. — Aug. 2014 – Dec. 2014

- Designed and trained a Convolutional Neural Network (CNN) using Caffe (a fast framework for deep learning) to predict facial beauty without using landmark features. This model has an accuracy of 51%.

AWARDS

– Received 2 PQO Gold Awards at Google.
– Received Spot Bonus at Google for my work on histogram based similarity search.
– Received 10 Peer Bonuses for helping out peers by going above and beyond work requirements.

COMPUTER SKILLS

Programming Languages: Python, C, C++, Java.
Familiar with following technologies: IPython, scikit-learn, MapReduce, Bigtable, Dremel, Tenzing, PowerDrill, ColumnIO, Protocol Buffers, Django, Matlab, HTML, CSS.