Chetan Naik

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Education

Aug 14 - May 16 **Master of Science in Computer Science**
Stony Brook University, Stony Brook, NY.
Gpa: 3.48/4.0

Aug 07 - Jun 11 **Bachelor of Engineering in Electronics & Communications**
R. V. College of Engineering, Bangalore, India.
Cgpa: 8.67/10.0

Development Experience

Jul 11 - May 14 **Analyst**, *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 to detect detect fraudulent publisher accounts.

Research Experience

Jan 15 - *present* **Research Assistant**, *Stony Brook University*, Stony Brook, NY.
As part of the Allen Institute for Artificial Intelligence's (AI2) Project Aristo, we are developing a question answering system that can recognize instances of processes. I am working under the supervision of Prof. Niranjan Balasubramanian.

Publications

Oct 15 **Semantic Role Labeling for Process Recognition Questions**.
Samuel Louvan, Chetan Naik, Veronica Lynn, Ankit Arun, Niranjan Balasubramanian, and Peter Clark.
To appear in *K-CAP Scientific Knowledge Workshop* 2015.

Skills

Programming	Python, C, C++, Lua.
Scientific Software	Theano, Scikits-learn, NLTK, Numpy, IPython, Pandas, Caffe.
Technologies	MapReduce, Tenzing, Bigtable, Dremel, ColumnIO, Protocol Buffers, Django, HTML, CSS.

Projects

Feb 15 - May 15 **Question Answering System using Word Alignment**.
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%.

Aug 14 - Dec 14 **Predicting Super Bowl and College Football champions**.
Built Point-score difference, Linear Regression and PageRank
models to predict the winners of 2015 Super Bowl and College Football Championship. The PageRank model has an accuracy of 63% and it predicted the top two teams correctly.

Aug 14 - Dec 14 **Predicting rating stars of Yelp reviews from review text**.
Built topic models using LDA and NMF along with sentiment layers to predict the review star rating from review text with 61% accuracy.

Aug 14 - Dec 14 **Predicting facial beauty using CNN**.
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%.

Apr 15 **tMood**.
This is the Pebble app that we developed during bitcamp hackathon. The app analyses the sentiment of people around you using twitter feeds at your location and displays smiley faces on watch representing the mood of the place.

Honors and 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.

References

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