Prajval Bavi

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Seeking Summer Internship position in Data Science/Machine Learning

Education

2017 - 2019 **University of North Carolina Charlotte**, (**GPA** 3.7/4.00).
Master's in Computer Science

2009 - 2013 **University of Pune**, India (**GPA** 3.82/4.00).
Bachelor's of Engineering in Electronics and Telecommunications

Selected Coursework

ITCS-6156 **Machine Learning**.
ITCS-5111 **Natural Language Processing**.
ITCS-6150 **Intelligent Systems**.
ITCS-6162 **Knowledge Discovery in Databases (Data Mining)**.

Technical skills

Languages Java, Python(scikit-learn, gensim, keras), R, SQL, C, Shell Scripting(Bash)
Tools GDB, Hg Mercurial, Vim, Git, Jupyter, AWS
Technologies Android SDK, Matlab, NLTK, TensorFlow
Skills Exploratory Data Analysis, Statistical Analysis, Machine Learning, Deep Learning

Academic Projects

December 2017 **Insurance Fraud Detection**.
- Currently working on building a model using Semi-supervised Machine Learning and Reinforcement Learning to detect insurance fraud claims.

December 2017 **Urban Analytics Platform**.
- UAP will systematically synthesize multi-modal urban data by web-scrapping from traditional sources from Charlotte Open Data and surrogate sources like Google Maps API to build predictive models to help towards social applications.

November 2017 **Recommendation System for Documents**.
- Designed and developed a ML model to classify surprising news from a news corpus based on personalized preferences using Topic Modeling and Supervised Machine Learning algorithms.

November 2017 **Intelligent Tic Tac Toe**.
- Developed general game-playing agent for two-player deterministic games for nxn board with Minimax Cutoff, Alpha-Beta pruning algorithm.

September 2017 **Sentiment Analysis**.
- Developed tool to collect Latest and Top News Headlines from over 60 news sources and performed Sentiment Analysis using Google Cloud NLP. Building a corpus of Headlines for future research.

September 2017 **Analyzing the Presidential debates**.
- Sentiment analysis and Opinion Tracking of the Presidential debates and created visualization using R and Python.

Work Experience

2015 - 2017 **Mojo Networks**, *Senior Member of Technical Staff*, India.
- Designed and built statistical models and feature extraction systems for gaining insight into Access Point Performance and predict various parameters which have impact on performance.
- Used models and dashboards to give insight into Access Point Performance and communicated these problems and possible solutions to stakeholders.
- Developed framework for automation of throughput measurement and to analyze the performance of the Wave1 and 2 Access Points helping improve team efficiency by 50% in generating reports and debugging.
- Developed framework using MATLAB and Agilent Signal Generator to emulate different noise based environment for testing robustness of Access Points helping company save $10K in Licensing fees.