PRATIK BONGALE

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EDUCATION

Rochester Institute of Technology, Rochester, NY GPA 3.93 / 4.0
Master of Science, Computer Science, Dec 2018(Expected)

University of Mumbai, Mumbai, India GPA 3.78 / 4.0
Bachelor of Engineering, Computer Engineering, May 2014

COMPUTER SKILLS

Languages: Java, Python, ABAP, SQL, Matlab, JavaScript, C, HTML/CSS, XML
Database technologies: MongoDB, PostgreSQL, DB2, MySQL, SQLite
Machine learning: scikit-learn, tensorflow, pandas, matplotlib, Weka, hadoop(basics)

INTERESTS Machine Learning, Data science, Pattern Recognition, Computer Vision, Big Data Analytics.

EXPERIENCE

Gleason Corporation, Computer System Analyst **May 2018 - Present**

- Developing new software solutions and modifying existing code in Advanced Business Application Programming language(ABAP).
- Providing technical support and quickly addressing business-critical issues to maintain productivity.
- Performance tuning through query optimization and compliance with standards.

Rochester Institute of Technology, Graduate Teaching Assistant **Sep 2017 - Apr 2018**

- Conducted recitations and tutoring for introductory programming courses in Java and Python.
- Composed and reviewed recitation worksheets, lab assignments, and projects.

Tata Consultancy Services, System Engineer / SAP Basis consultant **Aug 2014 - Jul 2016**

- Maintained UNIX based SAP servers and extended technical support for application integration, database, and network related issues.
- Resolved client reported issues and provided hands-on support during service transitions.
- Performed system tuning for optimizing performance characteristics of SAP environment.

PROJECTS

Recognition of handwritten math expressions: Developed machine learning models for segmentation, parsing and classification of handwritten math expressions. This recognition system was evaluated against systems submitted for CROHME 2016 Competition on Recognition of Online Handwritten Mathematical Expressions and it outperformed 3 state-of-the-art systems.

Clustering in subjective domains: Contributed to ongoing research on problems associated with labeling subjective data. Created an application to collect labeled data from Amazon Mechanical Turk crowdsourcing platform and performed clustering experiments on collected labels to support research hypothesis.

Analyzing job related discourse: Developed software to extract narratives from job related tweets to understand the complex relationship between work and well-being. It uses natural language processing techniques to parse, tokenize, identify syntactic dependencies and determine semantic frames for all tweets.

Stock market prediction using neural networks: Configured a neural network using tensorflow to predict changes in S&P 500 index based on stock price fluctuations of top 5 companies. Most recent Stock prices and S&P index data is obtained using API calls to Yahoo finance API.