Shashikiran Gadhar

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Available: **May – Aug 2017**

EDUCATION

Northeastern University, Boston, MA **GPA: 3.83/4.0**
College of Computer and Information Science Sept. 2016-present
Candidate for a Master of Science in Computer Science Expected graduation: May. 2018
Related Courses: Programming Design Paradigm (Functional Programming in Racket), Information Retrieval, Algorithms, Web Development (MEAN)

PES Institute of Technology, Bangalore, India
Bachelor of Engineering in Computer Science and Engineering June 2012

TECHNICAL KNOWLEDGE

Languages:	Java, Python, Racket, Perl & Shell Scripting
Web Technologies:	HTML, CSS, Bootstrap, JavaScript, Node.js, Angular.js, Express.js
Databases:	Oracle, Sybase, MongoDB
Tools:	Git, Eclipse, Control-M, Autosys, Murex, Informatica, Geneos, Heroku
Systems:	Windows, Linux

WORK EXPERIENCE

J P Morgan Chase & Co, India July 2012 – June 2016
Technology Analyst

- Developed application monitoring tool using Django and Python that monitored status of 120 applications.
- Developed log parsing tools using Shell scripting to generate performance statistics of an operations for a Trading application and reduced log analysis by 30%**.**
- Automated release procedures and manual tasks to reduce time of execution by nearly 40%.
- Set up monitoring scripts and solutions using Nagios, Geneos to monitor sanity of systems.
- Analyzed trading/market data issues by working with vendors and internal units including the operations and market control teams.

PROJECTS

Search Engine Design and Performance Evaluation [**Python**]

- Implemented three basic search engines (along with few variations) using BM25, tf-idf, Cosine Similarity and Lucene retrieval models.
- Performed query expansion technique using Pseudo-relevance feedback on the BM25 run.
- Evaluated the performance of various runs with the help of Mean Average Precision, Mean Reciprocal ranking, Recall and P@K measures.

Movee Lens – a recommendation engine [**Java**]

- Developed a movie recommendation engine built using item based collaborative filtering algorithm using Java, JavaScript and AJAX.

Parallel Algorithms for Bioinformatics [**Java**]

- Successfully converted and Implemented DNA sequencing algorithms like Needleman Wunsch algorithm and Smith waterman algorithms from sequential to multithreaded algorithms to run on multicore architecture using Java, OpenMP API and Compute Unified Device Architecture (CUDA).

Tree Editor Plug-in for Eclipse IDE [**Java**]

- Designed and Developed a tree editor plug-in for eclipse IDE which allowed users to create and manipulate hierarchical data structures using Java and Eclipse IDE Plugin Wizard.

ACHIEVEMENTS

- SPOT Award – 2014: Planned and executed Sustained Resiliency Activity for a major Credit Default Swap and Bond trading system.
- SPOT Award – 2013: Designed and Developed Strategic Monitoring And Reporting Tool (SMART).
- Best Innovative Idea Award for designing Strategic Monitoring And Reporting Tool (SMART).