Vikas Janardhanan

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www.linkedin.com/in/vikasjanardhanan || https://github.com/vikas8190 || Available: **May – December 2016**

EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science   September 2015 – Present

Candidate for a Master of Science in Computer Science, 3.834/4.0 GPA   Expected graduation: August 2017

Related Courses: Programming Design Paradigm, Information Retrieval, Algorithms, Web Development

Cochin University of Science & Technology, Govt. Model Engineering College, Cochin, India   April 2012

Bachelor's Degree in Computer Science & Engineering, 74.1%

Related Courses: Object Oriented Programming, Principles of Database systems,
                 Operating Systems, Data Structures & Algorithms

TECHNICAL KNOWLEDGE

Languages:	C++, Java, Python, Ruby, Perl, Shell Scripting, Racket
Web Technologies	HTML, CSS, Javascript, AngularJS, NodeJS
Systems:	Linux, Windows 2000/XP/Vista/7/8/10
Database:	Oracle, PL/SQL, SQL Server, MySQL
Tools:	Eclipse, WebStorm, Autotools, Dr Racket, JasperReport, SVN, Git

WORK EXPERIENCE

Subex Limited, Bangalore, India   July 2012 - June 2015

ROCFM – Telecom Fraud Management Product

Systems Analyst   July 2014 – June 2015

- Developed and maintained server and client codebases in C++ and RoR.
- Developed data analytics scripts specific to customer requirements in Perl, Ruby, Bash and PL/SQL.
- Enhanced data migration framework for upgrading projects to different versions.
- Developed Monitoring tool for production servers in Perl.
- Implemented application log analysis feature that detects and sends out issue alerts.
- Handled Indosat Indonesia customer account (on-site) for Subex Limited.

Software Engineer   July 2012 – June 2014

- Identified root cause for bugs in production systems and implemented the recommended root cause correction.
- Developed data processing scripts which does staging, splitting, transforming and loading of data.
- Developed sqlldr scripts and PL/SQL stored procedures to summarize millions of rows of data per day.
- Designed and optimized complex SQL queries to be used in reporting tools such as JasperReport/QlikView.

Taggle Internet Ventures, Bangalore, India   May - June 2011

Summer Intern

- Developed high performance scripts to be deployed at asterisk server to summarize the CDR call logs.
- Customized open source CRM osTicket to include information from CDR call logs summarized by scripts.

ACADEMIC PROJECTS

Sentiment Analyzer   December 2015

- IMDB Movie reviews classified using Multinomial Model Naïve Bayes classifier with Laplace smoothing.
- Sentiment prediction of new reviews based on the captured Model.
- Tools: **Python**

Wikipedia Focused Webcrawler   November 2015

- BFS version of crawler implemented to scrape topical data from Wikipedia using **Python (BeautifulSoup)**.

Small Search Engine   October 2015

- Implemented two versions of small search engine, one based on Okapi BM25 in Python and other based on Lucene in Java for documents from TREC dataset for a set of queries.
- Compared effectiveness using information retrieval metrics like recall, precision, discounted cumulative gain.
- Tools: **Python, Java**

DoSDefender   June- November 2011

- Developed Tool in Python which utilized Hidden semi-Markov model to estimate deviations from normal user behavior patterns by analyzing the incoming server request sequences to prevent App-Dos attacks.
- Tools: **Python, Apache Webserver, Tamper Data**