SAMANVOY REDDY PANATI

https://www.linkedin.com/in/samanvoy-panati 412-519-4288
https://samanvoy-panati.github.io samanvoypanati@gmail.com

EDUCATION:

University of Pittsburgh , Pittsburgh, PA — Graduated - May 2016
Master of Science in Computer Science — **GPA- 3.42**

Jawaharlal Nehru Technological University (JNTU), Hyderabad, India — Graduated - May 2014
Bachelor of Technology in Computer Science — **GPA- 3.59**

TECHNICAL SKILLS:

DBMS/RDBMS: Oracle, MySQL
Languages: JAVA, C, C++, JDBC, C#, ASP.NET, Python, PL/SQL
Web Technologies: HTML, JavaScript, CSS**,** XML
Tools and Packages: Ant, Jenkins, Eclipse, Microsoft Visual Studio, NetBeans, MS Office
Operating Systems: Windows 7, 8, Vista, XP, Linux, UNIX and Mac OS X
Basic Knowledge: Hadoop, MapReduce, Matlab

WORK EXPERIENCE:

M*Modal, Pittsburgh, PA — June 2016 - Present
Software Engineer

- Working on adding new features to MModal's primary software, Fluency Direct which provides front end speech recognition solutions for clinical documentation.

PTC, Greensburg, PA — May 2015 - December 2015
Software Developer Intern

- Worked on introducing new functionalities, rectified bugs and performed software testing automation for the reliability software called Windchill Quality Solutions.
- Performed server integration and version control management.

University of Pittsburgh, Pittsburgh, PA — Jan 2015 - April 2015, Jan 2016-April 2016
Part-time instructor

- Facilitated learning by teaching simple ways to solve complex problems in the course of Discrete Mathematics.

PROJECT EXPERIENCE:

Mobile Personal Guide (MPG), University of Pittsburgh — Jan - Apr 2016

- MPG is an implementation of an experimental platform for evaluating item recommendation algorithms. It provides a diverse set of recommendation better aligned with user preferences. A demonstration can be found here.

Spritz It!!, University of Pittsburgh — Nov - Dec 2015

- Developed an android app which can be used in smart watch for reading text. It uses spritzing technique along with three feed forward mechanisms to improve the reading comprehensibility of the user.

Swipe Keyboard, University of Pittsburgh — Sept 2015

- Developed a swipe keyboard with a special right click feature to reduce the number of incorrect predictions and thereby decreases the error rate. A demonstration can be found here.

Movie rating recommender, University of Pittsburgh — March-April 2015

- Individual project in which based on the ratings of a limited number of persons on limited number of movies, we predict the best rating a person would give for a wide variety of movies which can be used for recommendation as it is done in Netflix.
- This project was done using Matlab and different machine learning techniques like k nearest neighbors, stochastic gradient descent; Singular Value Decomposition and SVD++ were used.

"Mini-Google" project, University of Pittsburgh — November-December 2014

- "Mini-Google" is a simple search engine which retrieves the documents relevant to the simple search queries submitted by users. This search engine is implemented using two different platforms.
- The first platform uses socket-based client-server communication using a traditional file system and the second one uses MapReduce and Hadoop running on a Linux cluster.