SAMANVOY REDDY PANATI

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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:

Languages: Java, C, C++, JDBC, C#, Python, PL/SQL, Perl
DBMS/RDBMS: Oracle, MySQL
Web Technologies: HTML, JavaScript, CSS**,** XML, JQuery
Tools and Packages: Eclipse, Microsoft Visual Studio, NetBeans, MS Office, Android Studio, Intellij
Basic Knowledge: Hadoop, MapReduce, Matlab

WORK EXPERIENCE:

Amazon Inc, Austin, TX — March 2017 - Present
Software Development Engineer

- Worked on launching a new marketplace on android and ios which serves the customers world-wide letting them shop all export eligible items. Worked on the same for desktop using Perl and Java.
- Implemented machine learning algorithms to find the best price for a product considering all the variables like product price, IFD, shipping cost.

M*Modal, Pittsburgh, PA — June 2016 – Feb 2017
Software Engineer

- Worked on adding new features to MModal's primary software, Fluency Direct which provides front end speech recognition solutions for clinical documentation.
- Designed and implemented solutions to make the software support browsers like Chrome, Firefox and Edge using their respective APIs.

PTC, Greensburg, PA — May 2015 - Dec 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.

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.

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 — Mar - Apr 2015

- 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.
- Different machine learning techniques like k nearest neighbors, stochastic gradient descent, Singular Value Decomposition and SVD++ were used.

"Mini-Google" project, University of Pittsburgh — Nov - Dec 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.