# Aman Agarwal

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## SUMMARY

Graduate student developing skills in a techno-management environment to excel in field of software engineering. Have a solid work experience of 4 years in Agile software development environment creating cutting edge retail banking applications. Proven skills in object oriented development, product delivery and integration and conducting POCs for critical requirements.

## EDUCATION

**Texas A&M University**                                                                              College Station, Texas
Master of Science in Management Information Systems, GPA: 4.00                                **May 2017**

**Vellore Institute of Technology**                                                                        Vellore, India
Bachelor of Technology in Information Technology, GPA: 3.93                                     **May 2011**

## SKILLS

| | |
|---|---|
| **Programming Languages:** Java, Python, SQL, XML | **Database:** DB2, Oracle 9i/10g/11g, MySQL |
| **Technologies:** HTML5, JavaScript, CSS, JSON, Dojo, AJAX | **Frameworks:** Numpy, Pandas, Hadoop, Hibernate |
| **Tools:** Eclipse, Jupyter, Maven, Github, JIRA, MS Visio, Scriptella | |

## EXPERIENCE

**Misys**                                                                                               **Bangalore, India**
*Software Engineer*                                                                        **December 2014 – July 2015**
- Liaised with business teams for requirement gathering, efforts estimation and project scheduling.
- Achieved 200% increase in transaction posting rate to revamp retail core-banking transactions by redesigning process flows, refactoring Java code of strategic functionalities and optimizing JDBC-SQL queries.
- Digitized queue management and thus improved customer experience at retail bank branches by developing kiosk based token system using MVC framework with Java, Hibernate, JavaScript and HTML5.

*Associate Software Engineer*                                                              **July 2011 – November 2014**
- Migrated applet-based client of core banking software to faster web interface developed using AJAX, Dojo and JQuery
- Developed ETL data script creation mechanism using Scriptella for 24x7 availability and synchronization of transaction system at retail bank branches.
- Enhanced operational efficiency by 20% at retail bank branches by automating transfer of customer entered transaction data from Queue Management System to core-banking system.
- Automated unit-test case generation by developing tool on Java thus improving code coverage by 35%.
- Performed proof of concept using JavaScript to capture and manipulate data from magnetic-card readers.

## PROJECTS

**Rental Prediction Model**                                                                      **July 2016 - Present**
- Formulated a model using Python's Numpy and Pandas libraries to predict housing prices using Regression Analysis based on 5 different factors which might affect the housing prices. Currently enhancing this model to accommodate 19 factors.

**Weather Prediction Accuracy Analyzer**                                              **September 2015-December 2015**
- Developed web-application to perform data analysis using Hadoop Map-Reduce Framework on 5 GB of data collected from various weather reporting websites. Generated comparative prediction accuracy charts on web-based user interface.

**Movie Rating Analysis**                                                                 **September 2015-December 2015**
- Developed a model to analyze dataset to identify trends and cross reference movie-liking pattern of the customers of Movie-Lens website.

**VITZaz – Collaboration platform for university**                                          **July 2010 -December 2010**
- Developed application on Java supported by DB2 database to provide an interaction platform between students and faculty members. Used JSP, HTML and CSS to construct the web interface.

## LEADERSHIP

**Business Information Technology Students, Texas A&M University**                      **April 2016 - Till Date**
VP - Operations

**FunFusion for Social Ventures at Misys**                                              **October 2014 - June 2015**
*Co-founder*
- Motivated 200 employees to volunteer for events organized by NPOs to benefit people with disabilities.
- Arranged orphanage and hospice-care visits and cleanliness drives to foster socially conscious workplace.