

# Aman Agarwal

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## EDUCATION

### Texas A&M University, Mays Business School

Master of Science in Management Information Systems, GPA: 4.00

College Station, Texas

May 2017

### Vellore Institute of Technology

Bachelor of Technology in Information Technology, GPA: 3.93

Vellore, India

May 2011

## SKILLS

**Programming Languages:** Java, Python, PL/SQL, XML

**Technologies:** HTML5, JavaScript, CSS, JSON, AJAX, JSP

**Tools:** Eclipse IDE, Anaconda Spyder, MS Visio, MS Office

**Platform:** Windows 7/10, Kali Linux

**Database:** DB2, Oracle 9i/10g/11g, MySQL

**Frameworks:** Hadoop, Hibernate, Hive

## ACADEMIC PROJECT

### Weather Prediction Accuracy Analyzer

September 2015-December 2015

- Performed data analysis using Hadoop Map-Reduce Framework and Java on 5 GB of data collected from various weather reporting websites. Generated comparative prediction accuracy charts on web-based user interface.

## EXPERIENCE

### Misys

Bangalore, India

Spearheaded development of web based core banking software suite by applying expertise in Object Oriented Programming working in Agile/SCRUM environment.

#### Software Engineer

December 2014 – July 2015

- Liaised with business teams for requirement gathering, efforts estimation and project scheduling following Agile/Scrum methodology.
- Revamped retail core-banking transaction process by redesigning process flows, refactoring code of strategic functionalities and optimizing JDBC-SQL queries thus achieving 300% increase in transaction posting rate.
- Digitized queue management and thus improved customer experience at retail bank branches by developing kiosk based token system using MVC framework with Java, Hibernate and HTML5.
- Formulated test plans and conducted integration tests to ensure fulfillment of acceptance criteria at sprint end.

#### Associate Software Engineer

July 2011 – November 2014

- Revamped and replaced windows-based client of core banking software with faster web interface.
- Developed ETL data script creation mechanism using Scriptella for 24x7 availability and synchronization of transaction system at retail bank branches.
- Implemented REST architecture and improved 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%.
- Developed Java and XML based supervisor authentication process to enhance transaction security thus ensuring zero-risk of conducting fraudulent transactions.
- Performed proof of concept using JavaScript to capture and manipulate data from magnetic-card readers.
- Collaborated with 3 teams in different geographic locations to integrate data and generate one-stop customer portfolio.

## INDEPENDENT LEARNING (through Coursera)

- Introduction to Recommender System:** Data analysis of users' movie ratings to discern recommender system working.
- Gamification:** Using game strategies and elements like leader-boards, point systems and badges to analyze and impact consumer behavior with motive to increase product awareness and profits.

## LEADERSHIP

### Business Information Technology Students, Texas A&M University

April 2016 - Till Date

VP - Operations

### AGPCC, Texas A&M University

September 2015-Till Date

IT – Executive

- Leading team of 2 members to develop new features and update AGPCC website.
- Organized and coordinated events for AGPCC members to meetup with graduate students from all departments.

### 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.

**Code.org, Volunteer:** Taught basics of programming to children during Hour of Code event.