

Aman Agarwal

311 Stasney Street, #1102, College Station, TX-77840 | (979) 985-7122 | aman.agarwal2189@tamu.edu

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.
- Mentored new employees for functional and technical aspects of core banking and agile development process.

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.
- Designed and delivered DDL and DML database scripts as requested by development teams.
- 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

AGPCC at 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.