

Aman Agarwal

(979) 985-7122 | aman.agarwal2189@gmail.com |  amanagarwal2189 |  amanagarwal89

EDUCATION

Texas A&M University

Master of Science, Management Information Systems, GPA: 3.88

College Station, Texas

May 2017

Vellore Institute of Technology

Bachelor of Technology, Information Technology, GPA: 3.93

Vellore, India

May 2011

SKILLS

Programming Languages: Java, Python, SQL, HTML5, JavaScript

Frameworks: Hibernate, Numpy, Pandas, Hadoop

Tools: Eclipse, Maven, Jenkins, JIRA, MS Visio, Scriptella

Databases: DB2, Oracle 10g, MySQL

Technologies: JSON, jQuery, AJAX, REST

Application Servers: JBoss, Tomcat, IBM

EXPERIENCE

Misys Financial Software

Bangalore, India

Software Engineer (Fusion Essence, Core-banking System)

December 2014 – July 2015

Liaised with business teams for requirement gathering, efforts estimation and project scheduling.

- Achieved 200% increase in transaction posting rate by revamping retail core-banking transactions; redesigned process flows, refactored Java code of strategic functionalities, and optimized JDBC-SQL queries.
- Digitized queue management and improved customer experience at retail bank branches by designing and developing kiosk based token system using MVC framework with Java, Hibernate, JavaScript and HTML5.
- Integrated third party applications including finger print scanners, signature verification systems etc. with core banking software; performed integration testing and proactively fixed issues to ensure seamless processing.

Associate Software Engineer (Fusion Essence, Core-banking System)

July 2011 – November 2014

Proactively managed and delivered various modules of core-banking application as per business requirements.

- Migrated applet-based client of core banking software to faster web UI developed using AJAX and jQuery.
- Developed ETL script creation mechanism using Scriptella for 24x7 availability and synchronization of transaction system across bank branches.
- Improved operational efficiency by 20% at retail bank branches by automating transfer of customer data from different banking systems into a single view using REST APIs.
- Automated unit-test case generation by developing tool on Java; improved code coverage by 35%.
- Performed proof of concept using JavaScript to capture and manipulate data from magnetic-card readers.

LEADERSHIP

Business IT Students (BITS), Texas A&M University

April 2016 - Present

VP – Operations

- Organize corporate networking events for industry professionals and MIS students at Texas A&M University.

FunFusion for Social Ventures, Misys

October 2014 - June 2015

Co-founder

- Motivated 200 employees to volunteer for events to benefit cancer patients and people with disabilities.

PROJECTS & INDEPENDENT COURSES

Virtual Career Fair System

December 2016 - Present

- Video chatting web application, built on Node.js and Python, to allow job seekers and company representatives to interact in real time.

Data Analytics and Machine Learning Courses

May 2016 – August 2016

- Python for Data Analytics - Coursera
- Machine Learning - Udacity

Conducted passenger survival analysis in Titanic disaster and conducted rental price analysis in Boston city.

Dominick's Data Warehouse

January 2016 - May 2016

- Developed data warehouse from 6 GB data of retail grocery store; used SSIS to extract, transform and load data.
- Built SSAS cube and generated SSRS reports to analyze effect of cross selling, discounts and coupons on sale.