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# ADITYA RAVIKUMAR

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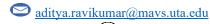
(512) 363-8330

## EDUCATION

**Master of Science in Computer Science**                                                    GPA: 3.9/4.0

The University of Texas at Arlington                                                          Aug 2018-May 2020

Coursework: Big Data, Advanced Algorithms, Data Mining, Database Systems, Software Engineering & Quality Assurance, Software Testing, Web Data Management, Distributed Systems, Special Topics in Advanced Software Engineering

**Bachelor of Engineering in Computer Science**                                              GPA: 3.5/4.0

Visvesvaraya Technological University, Bangalore, India                                       Aug 2012-May 2016

## SKILLS

**Programming**: Java, Java Spring, Python, C, Scala.

**Databases:** MySQL, Oracle, Pig, Hive.

**Web Technologies**: HTML5, CSS, Nodejs, VueJs, ReactJs, JavaScript, Bootstrap, JSP.

**Tools:** Linux, Windows, Eclipse, AWS, Junit, Tableau, Microsoft Project, VSCode, PIT Mutation Testing, Android Studio, Anaconda, PyCharm, Spring Tool Suite, GIT, GitLab, JIRA, Confluence, Bamboo, Apache Web Server, Bitbucket, Microsoft Expressions Web.

## WORK EXPERIENCE

**Software Development Intern**                                                               Jan 2020 – May 2020

**MathWorks, Boston, USA**

- Responsible for revamping the entire application & made it responsive which was loading more than 20% faster by using Vue.js
- Built, tested and deployed scalable, highly available and modular software products.
- Working on early stage projects that involve advanced code editing and web service integration.
- Designed, developed and maintained a web application to show consolidated display of MATLAB projects from various code repositories using Vue.js and Ruby on Rails.
- Detected and connected duplicate projects coming from various sources. Also implemented a share feature where users could share their projects with other users.

**Graduate Teaching Assistant & UI Developer**

**The University of Texas at Arlington**                                                      May 2019- Jan 2020

- Analyzing, planning and implementing software development practices for UTA's Financial Learning Platform.
- Worked in an Agile development with latest technologies such as ReactJs and AWS.
- Integrated, managed JIRA and Gitlab, responsible for creating technical documentation for each iteration of the project.
- Developed & Managed website for college using MS Expression Web, Sitecore & assisted students with classes & assignments.

**Associate Consultant**

**Atos Syntel, Pune, India**                                                                 Dec 2016-Aug 2018

- Developed code fixes and enhancements in Java which were running faster by 10%.
- Optimized and simplified the processes by analyzing business requirements and rebuilding existing solutions.
- Effectively managed JIRA and worked in an Agile Environment.
- Worked closely with several clients to establish problems specifications and system design.
- Drove the overall QA planning /tracking and reported the assigned project(s) and worked on Project management.
- Performed regression and system level testing to verify software quality and function before deployment.

## PROJECTS

**Graph Analysis Algorithm**                                                                 Spring 2019

- Designed algorithm for Map-Reduce job, Spark Scala, Pig and Hive which executed in multiple iterations until it parsed and partitioned the graph into a cluster of centroids based on nearest neighbors.
- Implemented in San Diego Supercomputer center (SDSC) cluster.

**Campus Car Parking System**                                                                Spring 2019

- Implemented Campus car parking system with separate functions for admin, manager and parking users in android.
- Designed and Developed the Android application by using software engineering methodologies in an agile way and created documentation for every phase.

**Pet Store Website**                                                                        Fall 2018

- Built a website for pet store management using HTML5, CSS, PHP, and JavaScript and deployed it on UTA Cloud.
- The website has a UI for both admin and client and the project was also implemented in MVC pattern.

**Car Rental Database Management System**                                                    Fall 2018

- Implemented using SQL and designed the database management system using Java, JDBC connection and provided an UI.
- Designed an EER schema, mapped into relational database schema and implemented it on MySQL.