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ADITYA RAVIKUMAR

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(512) 363-8330

EDUCATION

Master of Science in Computer Science   GPA: 3.5/4.0

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, Map Reduce.
Databases: MySQL, Oracle, Pig, Hive.
Web Technologies: HTML5, CSS, ReactJs, JavaScript, Bootstrap, JSP.
Tools: Eclipse, AWS, Junit, Tableau, PIT Mutation Testing, Android Studio, Anaconda, PyCharm, Spring Tool Suite, GIT, GitLab, JIRA, Confluence, Bamboo, Apache Web Server, Bitbucket, VSCode, Microsoft Expressions Web, draw.io.

WORK EXPERIENCE

Graduate Teaching Assistant FLP & UI Developer

The University of Texas at Arlington   May 2019- Current

- 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 and Managed website for college using Microsoft Expression Web and assisted students with classes & assignments.

Associate Consultant

Atos Syntel, Pune, India   Dec 2016-Aug 2018

- Built, tested and deployed scalable, highly available and modular software products.
- 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.
- Created technical design document (TDD) for reference and reporting.
- 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.

Chat Box Application   Spring 2019

- Implemented a multi-chat application where many clients can join the server and chat with other clients using Java.
- Lamport's logical clock principle was also applied in developing a chat box application to maintain synchronization.

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 where it shows the services offered by the business to client and client can request for more additional details by submitting a request 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 MySQL for the car rental company which would help in maximizing profits, meeting the demands and quality assurance by generating reports.