

# SHRUTHI REDDY MUTRA

## SUMMARY

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- Experienced in **Object Oriented programming**, Web programming and Android programming
- Experience with **Linux** and Windows platforms
- Conceptualized, designed, developed and deployed various applications using **AWS** (Amazon Web Services) and **BLUEMIX** in my course projects
- Good knowledge with scripting language like **Bash** and **Python**
- Good understanding of **Software Development Life Cycle**
- Developed projects using **Agile methodology**
- Experience with the database management like **Oracle, MySQL, NoSQL**

## EDUCATION

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**Master of Science in Computer Science** **May 2017**(Expected)  
University of Texas at Arlington Arlington, TX

- Graduate Coursework: **Cloud Computing**, Software Engineering, Database Systems, Information Security, Web Data Management, Software Testing, Design and Analysis of Algorithms.

**Bachelor of Technology in Information Technology** **May 2015**  
J.B Institute of Engineering and Technology Hyderabad, India

## TECHNICAL SKILLS

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- **Programming Languages** : **Java, Python, C++, C**
- **Query Languages** : **SQL, Oracle, MongoDB**
- **Web Technologies** : **JavaScript, Node.js, AngularJS, HTML5, CSS**
- **IDE** : **Visual Studio, Eclipse, Android Studio**
- **Operating Systems** : **Windows 7/XP, Unix, Linux**
- **Cloud Platforms** : **IBM Bluemix, AWS**

## EXPERIENCE

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**Sirius Soft Sol** **Feb 2015 - July 2015**  
**Java Intern** Hyderabad, India

- Defined site objectives by analyzing user requirements, envisioning system features and functionality.
- Helped in design form validation programs using HTML and JavaScript.
- Contributed to development of client side and server side codes for web applications.
- Involved in unit testing and integration testing of the product.

Technologies used: Java, Servlets, JDBC, JavaScript

## ACADEMIC PROJECTS

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- **Amazon Web Services application** **Feb 2017**  
Used various services **AmazonS3, Amazon EC2, Amazon RDS, Memcache, Dynamo DB** and created a web application for Login and registration using **python flask**.  
**Technologies used:** Python, MySQL.

- **Multiclient chat server application** **Feb 2017**  
Implemented a server that provided a common chat room. Implemented a **GUI** client that can communicate with the server. Client could send text messages to parties in the chat room, as well as receive notifications when other clients connect or disconnect.  
**Technologies used:** Python, MySQL.

- IBM Bluemix Cloud- File encryption & Data storage** **Jan 2017**  
 The objective was the security of files in cloud data storage 'Dropbox'. The user can upload a file which will be encrypted using GNU Privacy Guard and uploaded to the object store. The encrypted file can be downloaded & decrypted locally.  
**Technologies used:** Cloud Foundry, Python, Swift OpenStack API, GnuPG.
- Restaurant Locator Web Application** **Oct 2016**  
 Developed a restaurant locator application using Google Map APIs, Node JS as server side application framework and Angular JS as browser side application framework which calls a RESTful web service API and returns collection of JSON data from MongoDB. The application is hosted on Heroku.  
**Technologies used:** AngularJS, NodeJS, MongoDB.
- Sensor Tag Detection Android App** **Aug 2016**  
 The objective of the application is to identify the sensors deployed in a network and read the URL being transmitted by all the sensor tags in the network and sort them based on the distance of the sensor tag from mobile. The URL when clicked, redirects to the data that needs to be analyzed.  
**Technologies used:** JAVA
- Created Unit Test cases for Stock Trading Software** **April 2016**  
 Identifying test cases from specification to achieve full condition/decision and boundary value coverage of specification. Test cases are developed using Junit.  
**Technologies used:** JAVA, Eclipse, Junit
- Errand Runner Application** **April 2016**  
 Build an Android application for facilitating errand runs on campus. This application shall be more helpful for the students of UT Arlington to get their errands done easier and support them financially.  
**Technologies used:** JAVA
- Personal Tutoring Service Application** **March 2016**  
 An android application to help individuals find a tutoring service or offer their services as a tutor. The project is developed using an agile software engineering methodology in an incremental manner using all agile practices such as pair programming, refactoring, test-first and active client involvement.  
**Technologies used:** JAVA, Scrum Methodology
- Personal Music collection management: Web Application** **Dec 2015**  
 Created database management system for music collection. Developed a web application that shows transactions and relations between different entities.  
**Technologies used:** HTML, MySQL

## CERTIFICATIONS

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- Linux Essentials**, Linux Academy
- AWS Certified Solutions Architect-Associate Level**, Linux Academy