

SHRUTHI REDDY MUTRA

400 S, Oak St., Apt#248
Arlington, TX-76010

shruthireddy.mutra@mavs.uta.edu
817-914-0446

SUMMARY

- Experienced in **Object Oriented programming**, Web programming and Android programming
- Conceptualized, designed, developed and deployed various applications using **AWS (Amazon Web Services)** and **BLUEMIX** in my course projects
- Hands on experience on **VMWare and Virtual box**
- Experience with Linux and Windows platforms
- Familiarity with scripting language like **Bash** and Python
- Experienced in developing **Web applications** using HTML5 and JavaScript
- Good understanding of **Software Development Life Cycle**
- Developed projects using **Agile methodology**
- Experience with the database management like **Oracle, MySQL, NoSQL**
- Basic knowledge of **REST** and **RPC** service patterns

EXPERIENCE

Sirius Soft Sol Java Intern

Feb 2015 - July 2015
Hyderabad, India

- Defining 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

TECHNICAL SKILLS

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

EDUCATION

Master of Science in Computer Science

May 2017(Expected)

University of Texas at Arlington

Arlington, TX

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

Bachelor of Technology in Information Technology

May 2015

J.B Institute of Engineering and Technology

Hyderabad, India

ACADEMIC PROJECTS

- **Amazon Web Services application (Feb 2017):** Used various services **AmazonS3, Amazon EC2, Amazon RDS, Memcache, Docker, Dynamo DB** and created a web application for Login and registration using python flask. Created a **VPC** (virtual private cloud) and configured an **EC2** Web Hosting Instance and an Auto Scaling Application.
- **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.
- **Sensor Tag Detection Android App (Aug 2016- Dec 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.
- **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.
- **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.
- **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.
- **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.

CERTIFICATIONS

- [Linux Essentials](#), Linux Academy
- [AWS Certified Solutions Architect-Associate Level](#), Linux Academy