Mourya Sai Charan Reddy Kypa

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# EDUCATION

**Texas Tech University,** United States Aug 2022 – May 2024

*Master’s in Computer Science* **GPA: 3.75**

**Sathyabama Institute of Science and Technology,** IndiaMay 2020

*Bachelor’s in Computer Science and Engineering* **CGPA: 9.26**

# TECHNICAL SKILLS

* **Programming Languages:** Java, Python, C language, Data Structures and Algorithms
* **Automation Frameworks:** Selenium with Java, BDD Cucumber, Karate, TestNG, JUnit, Robot framework
* **DevOps tools:** Jenkins CICD, Docker, Kubernetes
* **Cloud Services:** Amazon Web Services (AWS)
* **Database tools:** MySQL, PostgreSQL
* **Operating systems:** Microsoft Windows, MacOS, Linux
* **Other tools:** Postman, Swagger, Intellij, Eclipse, Visual Studio, Microsoft-Word, Microsoft-Excel, Microsoft-Powerpoint

# WORK EXPERIENCE

**Informatica Business Solutions**, Bangalore, India

***Software Engineer* April 2021 – July 2022**

* Analyzed and developed Informatica Intelligent Cloud Services (IICS) automation using a Robot framework, resulting in a 70% decrease in testing time.
* Implemented UI automation utilizing the BDD Cucumber framework, resulting in a 85% reduction of manual tasks.
* Built API automation from Scratch using 2 frameworks, including the Karate framework and REST Assured.
* Collaborated with a DevOps team of 10 members to troubleshoot issues during deployment processes with Docker and Kubernetes on every deployment issue.
* Delivered automated tasks for hundreds of Jenkins CI/CD jobs for the service APIs.
* Utilized 2 popular tools, Postman and Swagger to test the APIs and resolved 90% of the issues encountered.

***Associate Software Engineer* August 2020 – March 2021**

* Coded UI Automation using Selenium and Java with TestNG for Operational Insights, an Informatica product achieving code coverage of above 90%.
* Designed test cases for the Support Engineer feature, a privilege for Operational Insights users that covered cent percent of application.
* Developed API automation code and automated Data validation test cases for four Microservices.
* Managed some of the AWS services including EC2 and Data Pipelines for eight Microservices.
* Gained experience with 2 popular cloud providers, including Amazon Web Services and Microsoft Azure.
* Participated in the development of test strategies and test plans for two applications with newly enhanced features.

***Internship* January 2020 – July 2020**

* Migrated data mappings and sessions from Netezza to Snowflake using Informatica PowerCenter for one of the Informatica clients.
* Received training on two Informatica products: Informatica PowerCenter and Operational Insights.
* Performed over 100 transformation mappings using the PowerCenter ETL tool to meet the requirements.

# ACADEMIC PROJECTS

**Healthcare Chatbot using Reinforcement Learning January 2023 - April 2023**

Developed a healthcare chatbot using Python to generate responses and offer support by providing relevant information to assist with therapy.

**Prediction of Diabetes December 2019 – February 2020**

Applied the Naive Bayes algorithm to predict diabetes in patients by utilizing a dataset of more than 100,000 images, and displayed the results through a front-end interface.

# Twitter Sentiment Analysis January 2019 – February 2019

Analyzed tweets containing one specific keyword using python and generated a graph to represent how people were responding to the keyword based on the tweets.

# Skills Recommender November 2018 – December 2018

Examined data from various websites using the Beautiful Soup module in Python to determine the most in-demand skills for IT jobs.