

Mourya Sai Charan Reddy Kypa

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EDUCATION

Texas Tech University, United States

Master's in Computer Science

Aug 2022 – May 2024

GPA: 3.75

Sathyabama Institute of Science and Technology, India

Bachelor's in Computer Science and Engineering

May 2020

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.