

SOUJANYA RANGANATHA BHAT

(+1)480-740-6106 ♦ sranga16@asu.edu ♦ linkedin.com/in/soujanya-r-bhat

EDUCATION

Master of Science in Computer Science

Arizona State University, Ira A. Fulton Schools of Engineering

May 2021

GPA: 3.89

Bachelor of Engineering in Computer Science

Visvesvaraya Technological University, India

June 2017

GPA: 3.7

SKILLS

Languages	Python, Java, C#, Scala, C, SQL, HTML, CSS, linux shell scripting, PowerShell
Technologies	Spark, PostgreSQL, Microsoft SQL Server, ASP.NET MVC, REST API, AWS
Libraries	pandas, NumPy, Scikit-Learn, PyTorch, transformers, Open-CV, TensorFlow, Selenium
Tools	Jupyter-notebook, PyCharm, MS Visual Studio, IntelliJ IDEA, Colab, Git, TFS, VSTS

WORK EXPERIENCE

Aurigo Software Technologies

Software Developer (Test)

Jun 2017 - May 2019

- Adapted MVC Architecture for full-stack development of a dashboard to present automated performance results using ASP.NET and Microsoft SQL Server
- Extended the automation framework to support API testing using RestSharp
- Developed an automation framework for the products Mobile App using C# and Appium
- Conceptualized and automated the process of performance testing using JMeter and PowerShell
- Trained a team of 30 in-house employees at Aurigo Software Technologies on performance testing and conducted a hands-on workshop
- Received a Performance Excellence award, nominated by company peers.

Spring Intern

Feb 2017 - May 2017

- Re-designed the automation framework to adopt Reflections which aided in dynamically creating an instance of a type and binding that type to an existing test object

PROJECTS

aNswER - NER based Question Answering for MultiRC dataset

May 2020

- Developed aNswER, a NER approach for MultiRC, a multi-hop multi-choice question answering dataset.
- Achieved an improved F1 score of 60% over a baseline model with score 58% using BERT-base.

Meal Prediction based on Continuous Glucose Monitor data

Dec 2019

- Developed a model to predict meal intake of a diabetic patient using CGM time-series data through classification and supervised clustering based on extracted features with an accuracy of 78%.

Geospatial Hotspot Analysis using Apache Spark

May 2020

- Implemented a spark program to do Hot spot analysis on "NYC Yellow Cab taxi trip" BigData set.
- This identified statistically significant spatial hotspots (significant pickup locations in both time and space) using Getis-Ord statistics.

Crop Prediction System

Mar 2017

- Successfully determined the most suitable crop for growth with an accuracy of 85%, based on the soil image and the region using K-Means, Decision Trees and CNN based Inception v3 Model.
- Selected as the top 5 projects among a total of 45 projects in the state-level Project Open House Panorama (PROP- 2017).