

SOUJANYA RANGANATHA BHAT

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

EDUCATION

Master of Science in Computer Science	<i>May 2021</i>
Arizona State University, Ira A. Fulton Schools of Engineering	<i>GPA: 3.89</i>
Bachelor of Engineering in Computer Science	<i>June 2017</i>
Visvesvaraya Technological University, India	<i>GPA: 3.7</i>

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	<i>Jun 2017 - May 2019</i>
<i>Software Developer (Test)</i>	
<ul style="list-style-type: none">Adapted MVC Architecture for full-stack development of a dashboard to present automated performance results using ASP.NET and Microsoft SQL ServerExtended the automation framework to support API testing using RestSharpDeveloped an automation framework for the products Mobile App using C# and AppiumConceptualized and automated the process of performance testing using JMeter and PowerShellTrained a team of 30 in-house employees at Aurigo Software Technologies on performance testing and conducted a hands-on workshopReceived a Performance Excellence award, nominated by company peers.	
<i>Spring Intern</i>	<i>Feb 2017 - May 2017</i>
<ul style="list-style-type: none">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	<i>May 2020</i>
<ul style="list-style-type: none">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	<i>Dec 2019</i>
<ul style="list-style-type: none">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	<i>May 2020</i>
<ul style="list-style-type: none">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	<i>Mar 2017</i>
<ul style="list-style-type: none">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).	