HARSHITH REDDY SARABUDLA

www.linkedin.com/in/harshithsarabudla

1600 Park Cir, Apt 801, Columbia, SC 29201 • sarabudla369@gmail.com • (803)-404-9811

ACADEMIC CREDENTIALS

Master of Science in Computer Science — January 2019 - December 2020
University of South Carolina, Columbia, South Carolina — **CGPA: 3.7/4**

Bachelor of Engineering - Electronics and Communication Engineering — 2012 - 2016
Osmania University — **CGPA: 3.5/4**

TECHNICAL SKILLS

- Programming Languages: C#, Python, JavaScript, SQL, HTML, CSS
- Frameworks, Libraries: .NET, Bootstrap, PowerShell, jQuery, ReactJS, TensorFlow
- Databases: MS SQL Server, MongoDB
- Cloud Technologies: Microsoft Azure
- Tools: Git, JIRA

PROFESSIONAL EXPERIENCE (2+ years of experience)

Software Engineer **Capgemini -** Bangalore, India **Oct 2016 – Nov 2018**

- Experienced working on C# ASP.NET MVC, Entity Framework and ADO.NET using to get and post the data into the database for different sections of the application.
- Worked on creating RESTful API using ASP.NET Web API and C# for pricing calculation, writing queries and stored procedures for the same using MS SQL server.
- Involved in Responsive Web designing and development using HTML5, CSS, jQuery, AJAX.
- Configuring applications, API endpoints, identifying and documenting system integrations for application and infrastructure migration.
- Automated deployments on SharePoint servers using PowerShell scripts, publish to dev and test environments
- Experience working in an Agile environment.
- Proficient in developing solutions for Microsoft Azure and Azure storage.

ADDITIONAL EXPERIENCE

Graduate Assistant **UofSC Integrated Information Technology** **May 2019 – Aug 2019**

- Front-end development: Creating user-friendly pages for multiple applications of the College of Nursing using HTML, Bootstrap, JavaScript, PHP forms and AJAX.

Graduate Teaching Assistant **UofSC Dept. of CSE** **Aug 2019 – Dec 2020**

- CSCE 145: Teaching assistant for Algorithmic Design – Java
- CSCE 101/102 Lab: Assisting Undergraduate students with HTML, CSS, JavaScript and Python.

ACADEMIC PROJECTS

Anomalous Database Transaction Detection

- This research paper proposes an efficient anomaly detection system that detects anomalous transactions in the database by using syntax-centric and data-centric approach and relevant supervised learning algorithms.

Software Requirements (My Cafeteria app)

- Analysis and validation of software functional/non-functional requirements and specifications by building models using Business Use cases, UML diagrams and other requirement management tools.

Live Flood Detection – iWERS Lab (Graduate Research Assistant)

Tools: Python, NumPy, OpenCV, scikit-image, Tensorflow, Keras, CVAT

- Developing algorithms for flood detection using Machine learning techniques and Computer Vision models
- Preparing dataset for flood detection using Semantic segmentation
- Re-implement the state-of-the-art models on the dataset using Tensorflow Keras
- Evaluating of semantic segmentation performance by adjusting weights for better detection accuracy of CNN.
- Image processing for better prediction accuracy using OpenCV and Scikit-image