

BHANU SRI VAISHNAVI BHARATULA

+1 (904)-430-1808 bbsvaishnavi@gmail.com

<https://www.linkedin.com/in/bhanu-sri-vaishnavi-bharatula-1585921aa/>

OBJECTIVE

- Seeking to leverage my technical skills in a challenging role that fosters growth and advances my career trajectory.
- Results-driven Software Engineer with a solid expertise in object-oriented programming, data structures, and algorithms.

EDUCATION

Georgia State University

Master of Science - Computer Science

Atlanta, GA, USA

August 2024 – Present

- **Relevant Courses:** Web Programming, Advanced Database Systems, Machine Learning

Velagapudi Ramakrishna Siddhartha Engineering College

Bachelor of Technology - Information Technology

Vijayawada, AP, India

July 2018 – May 2022

- **GPA:** 9.18/10

PROFESSIONAL EXPERIENCE

Georgia State University

Graduate Teaching Assistant

Atlanta, GA, USA

August 2024 – Present

- Assist professor with teaching materials and grading assignments.

Deloitte USI

Software Engineer II

Hyderabad, Telangana, India

August 2022 – August 2024

- Worked as a full stack developer with .net (C#), angular for frontend and MySQL for backend development.
- Responsible for developing code with high test coverage and executing agile software development life cycle providing innovative solutions to complex tax requirements working in a continuous integration environment.
- Honored with three awards for exceptional project contributions, reflecting a strong commitment to excellence.

A Plus Topper

Python Development Intern

Remote

March 2022 – July 2022

- Implemented an academic quizzes web application using Django decreasing the load time by 10 percent.
- Developed a reusable web scraping tool, significantly reducing data retrieval time to 5-10 minutes, streamlining content acquisition processes.

Deloitte USI

Tax Technology Intern

Remote

June 2021 – July 2021

- Contributed to build a dotnet based web application backed by a Random Forest model to predict future traffic volumes with 95% accuracy.
- Enhanced search functionality and user authentication, through email verification leading to secure user experience.

SKILLS & LANGUAGES

Programming: C, Python, C++, Java, C#

Web Development: HTML, CSS, JavaScript, Django, Dotnet, Angular

Databases: MySQL

Languages: English, Hindi, Telugu

Tools: MS Office, GitHub

PROJECTS

Hyperspectral Image Classification using Deep Learning

Team Lead

- Implemented convolutional neural network (CNN) to classify the satellite crop images for agricultural purposes and crop identification with an accuracy above 99 percent.
- Compared the neural network model with machine learning models like SVM, Random Forest to compare the performance.

Online Video Conferencing with Report Generation

Team Lead

- Developed web application using Django framework including Machine learning algorithm to recognize voice during online conferencing. Included discussion forums to all the users of the application.

Lost & Found

- Integrated a gadget with mobile application to locate important objects attached to it with a coverage area of 2 km.
- The gadget is programmed to light up and buzz on button click in the application.

ACTIVITIES & LEADERSHIP

Code chef IT VRSEC

Club President

July 2021 - January 2022

- Managed the college coding club with more than 150 students.
- Conducted multiple contests for the club members to participate and improve coding skills

Make a Difference NGO

Club Member

July 2019 - December 2020

- Volunteered to support underprivileged students, providing guidance in mathematics and science.