

# GAAYATHRI VAIDHYANATHAN PAZHAMBALACODE

Computer Science Engineer

## PROFILE

A Graduate student in Computer Science with exposure in several programming languages and a curious know-how brain to keep abreast of technological advances such as Data Science, Machine Learning, Embedded Systems, and Internet of Things. An efficient communicator with an ability to convey high-end technical content to the audience. Passionate about data-oriented technologies and applications.

## EXPERIENCE

### Graduate Teaching Assistant

Georgia State University, Aug 2021 - Present

- Support in teaching coursework for undergraduate students of Computer Science and clearing doubts.
- Participated in the assessment process and provided timely, appropriate feedback to enhance the learning experience of the students.

### Sr Analyst/ Software Engineer Intern

Capgemini, Mar 2021 – May 2021

- Trained in optimized programming along with management of data (Database Management with SQL)
- Gained insights on terminology and tools used in the Retail domain along with Point-of-Sale applications.

### Content Developer (C & JAVA) Intern

SEMLeap Digital Media Pvt Ltd, May 2020 – Aug 2020

- Developed content for the conceptual understanding of programming languages C and JAVA.
- Explained the various optimization techniques for a given problem statement.

## EDUCATION

### Master of Science in Computer Science

Anticipated 2023

Georgia State University

CGPA 3.67/4

### Bachelor of Technology in Computer Science Engineering

July 2021

B.V.Raju Institute of Technology, Narsapur

Affiliated to JNTU, Hyderabad

CGPA 9.67/10

## SKILLS

### TECHNICAL SKILLS

- Programming- C, C++, JAVA, Python
- SQL- MySQL, PostgreSQL, PL/SQL
- Data Science- Python Numpy, Pandas, Scikit-Learn
- Internet of Things
- Embedded Systems- Arduino, ESP8266, ESP32
- Microsoft Office- Word, PowerPoint, Excel

### SOFT SKILLS

- Goal-Oriented
- Collaborative
- Adaptable
- Problem Solving
- Time Management
- Leadership

## PROJECTS

### Earthquake Damage Prediction

Oct 2021 – Nov 2021

Using several supervised learning models, this project aims in predicting the damage grade caused for a building based on factors like materials used, population, geographical topography, with best possible F1-measure.

### Quiz Portal Management System

Oct 2021 – Nov 2021

This database systems project focuses on handling data of a standard quiz portal of a university which enables students to attempt various quizzes conducted by the professors in the courses enrolled by them.

### Automatic Following Device

Sept 2019 – Feb 2020

By enabling the Bluetooth technology, the designed device looks for the unique Bluetooth device present at the user end which helps the device to determine the direction of the user and follows accordingly.

### Air Quality Monitoring System

Feb 2019 – Mar 2019

The principle idea behind this is to monitor the level of CO<sub>2</sub>, temperature, and humidity in our college campus using the corresponding sensors and later displaying this sensory data obtained in the LED screen.

## CONTACT DETAILS

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