

GAAYATHRI VAIDHYANATHAN PAZHAMBALACODE

Computer Science Engineer

EXPERIENCE

Graduate Teaching Assistant

Georgia State University, Aug 2021 - Present

- Supported in teaching coursework for undergraduate students of Computer Science and clearing doubts.
- Participated in the evaluation process and provided timely, appropriate feedback to enhance the learning experience of the students, along with supervising and coordinating with fellow teaching assistants.

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.

PROJECTS

Predictive Analysis on Patient Length of Stay

Feb 2021 – Current

The aim is to try various modelling techniques such as Decision Tree Classifier, Naïve Bayes Classifier and boosting the accuracies to make use of available resources such as beds, rooms, and medicines in hospitals more efficiently.

Earthquake Damage Prediction

Oct 2021 – Nov 2021

Using several supervised learning models like Gaussian Naïve Bayes, Logistic Regression, KNN and boosting the classifiers using Adaboost and XGBoost, 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. It is built using SQL and designed with several entities and complication many-to-many relationships between each of 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. Its primary area of application was implementing them in trolleys used in supermarkets and airports.

SKILLS

TECHNICAL SKILLS

- Programming- C, C++, JAVA, Python
- SQL- MySQL, PostgreSQL, PL/SQL
- Data Science- Python Numpy, Pandas, Scikit-Learn, Tensorflow, Keras, Data Wrangling, Predictive Analysis, Supervised Learning
- Data Visualization- Tableau, Power BI, Plotly, Matplotlib, Seaborn, Advanced Excel
- Internet of Things and Embedded Systems
- Tools/IDE – Jupyter, Anaconda, SQL, VSCode
- Microsoft Office- Word, PowerPoint, Excel

SOFT SKILLS

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

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

VOLUNTEERING WORK

Chief Editor for Enlightening Lives, NGO

July 2019 – June 2021

Student Editor for Vishnu Era, SVES Magazine

Sept 2017 – June 2021

CONTACT DETAILS

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