linkedin.com/in/suresh-babu-garimella
github.com/Suresh-Garimella

SURESH BABU G

+1 (913) 850-4157
sureshgarimella22@gmail.com

EMPLOYMENT

System Engineer **INFOSYS LTD** **October 2020 – June 2022**

- Developed and maintained RESTful microservices in Java, Python using Azure Function Apps, Logic Apps, and APIMs.
- Collaborated with multiple teams to gather requirements, analyze user needs, and design efficient solutions.
- Implemented RESTful APIs to enable seamless communication between different components of the application.
- Achieved CI/CD using Azure DevOps, ensuring rapid and reliable software delivery.
- Conducted thorough testing to identify and resolve software defects to ensure high-quality deliverables.
- Participated in code reviews, providing constructive feedback, and adhering to coding standards and best practices.
- Worked in an Agile environment, participating in daily stand-ups, sprint planning, and retrospective meetings.

PUBLICATIONS

International Journal for Recent Development in Science & Technology **June 06 2020**

Title: - IMPACT ON GUEST REVIEWS AND RATINGS IN DIFFERENT HOTEL CLASSES AN APPLICATION IN TOKYO.

- This research focuses on quantifying guest satisfaction based on hotel ratings and reviews, specifically analyzing the impact of various hotel attributes. The study provides insights into the significant factors influencing guest satisfaction across different hotel classes in Tokyo. The findings can be beneficial for hotel management and the tourism industry to enhance guest experiences and improve overall ratings.
- Analyzed over 50,000 reviews and ratings of active users for individual hotel classes by web scraping which results in the increase in the accuracy of multiple regression by 2%.

EDUCATION

Lee's Summit, MO **University Of Central Missouri** **Aug 2022 – Dec 2023**

- Master's in computer science, GPA: 3.70
- Graduate Coursework: Advanced Operating Systems, Advanced Database Systems, Machine Learning, Advanced Algorithms, Advanced Web Application Services Development, Compiler Design Construction, Advanced Application Programming in C# .NET, Advanced Software Engineering and Advanced Application Programming in java.

ACADEMIC PROJECTS

Ecommerce App:

- Developed a comprehensive E-commerce web application from scratch using Flask, a Python-based web framework, with MongoDB as the backend database. The project aimed to create a robust and user-friendly platform for online shopping, offering seamless navigation and efficient product management.

Hand Gesture and Eye tracking Cursor Controller:

- Introducing the Gesture-Controlled Cursor Movement and Operations project, a cool Python program that's all about changing the way we interact with computers. Using the magic of OpenCV, MediaPipe, and PyAutoGUI libraries, this nifty system lets you take charge of your cursor and do things on your computer with simple hand gestures and Eye movements.

Sarcasm Detection in Sentiment Analysis:

- The goal of this research is to use Twitter data to detect sarcasm. I preprocessed the data by removing unnecessary elements and converting sentences into tokens. Applied various word embedding techniques like GloVe, ELMo, Word2vec, LSTM, CNN+LSTM, and deep learning to transform the data into vectors. Used these vectors to train SVM, Naïve Bayes, and k-means for sarcasm detection. Evaluated models using f-value, precision, recall, and accuracy to systematically compare the effectiveness of word embedding techniques and machine learning algorithms.

Machine Learning Algorithms:

- Implemented various machine learning algorithms including K-Means clustering, Hierarchical Clustering, Linear Regression, Multiple Regression, Naive Bayes, Support Vector Machine (SVM), Principal Component Analysis (PCA), and Linear Discriminant Analysis (LDA) using Python.

CERTIFICATES

- Fundamentals in cloud computing (AWS) by Andhra Pradesh state skill development co.
- Database Management Systems – Elite by National Program on Technology Enhanced Learning.
- AWS Certified Solution Architect Associate Prep: 1 Cloud Services Overview by LinkedIn Learning.
- AWS Certified Solution Architect Associate Prep: 2 Storage Design by LinkedIn Learning.
- GIT from Scratch by LinkedIn Learning.
- Programming Foundation Fundamentals by LinkedIn Learning.

LANGUAGES AND TECHNOLOGIES

- Java; Python; C; C++; Java; JavaScript; PHP; SQL; NoSQL; HTML; .NET, Angular, React, REST API, Json, Xml, Hibernate, Cloud services (AWS| Azure), Spring boot, Django, Fast Api, Flask, MySQL, MongoDB, Anaconda, Postman and Git.