



Amulya Gadde

Full Stack Developer , Traditional/ Digital Illustrator

Skills

I am a skilled software professional with expertise in Java, SQL, and various automation tools, including Postman and Jira, where I have conducted UI and functionality testing for both web and mobile applications. I excel at writing SQL queries for database management and data validation, contributing to effective bug resolution. Additionally, I focus on ensuring system availability and security while developing custom scripts to enhance overall efficiency.

Technical Skills

- Platforms: Java, Jira, Eclipse, Visual Studio, Automation Studio, Postman.
- Web Technologies: Java, Python, HTML, CSS.
- Databases: SQL Server, MySQL.

Education

University of New Haven

Master of Science in Computer Science, New Haven, Connecticut, USA.

Sep 2021 - Present



SRM Institute of Science and Technology

Bachelor of Technology in Computer Science Engineering, Chennai, Tamil Nadu.

Aug 2017 - May 2021



New Prince Matr. Hr. Sec. School

Completed my Senior Secondary Schooling with a focus on Bio-Mathematics,India

Jun 2015 - Mar 2017



Experience



Tech Solutions Ltd.

Worked as a Software Developer, focusing on developing secure applications.

Jun 2022 - Aug 2023



XYZ Corporation

Internship in Software Development, development of web applications.

Jan 2021 - May 2021



Freelance Developer

Developed various projects including websites and mobile applications.

Sep 2020 - Dec 2020



Gesture Wheelchair with Fall & Obstacle detection

Published: March 2024

This project aims to assist individuals with limited mobility by creating a wheelchair that can be controlled through hand gestures,it integrates sensors to detect obstacles and falls, providing real-time feedback .The obstacle detection feature helps avoid collisions, while the fall detection mechanism alerts caregivers immediately in case of emergencies.

Research Paper: Published in e-ICICN, Paper ID-317



IOT Based Electrolyt and Heart Beat Detection

Completed: January 2024

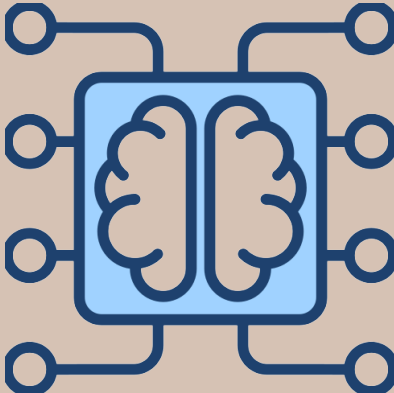
This IoT-based project is designed to monitor critical health metrics like electrolyte levels and heart rate, especially for patients with chronic illnesses. The system employs sensors that continuously collect data and send it to a cloud-based platform for real-time analysis. The monitoring system can be integrated with mobile applications, allowing users and healthcare professionals to view trends and receive notifications.



Smart Home Automation System

Completed: February 2024

This project focuses on transforming a standard household into a smart home using IoT technology. The system integrates smart lighting, temperature control, security cameras, and energy management, all of which can be controlled remotely through a mobile app. The automation system learns from user habits, offering personalized suggestions to optimize energy usage and security measures.



Machine Learning Based Predictive Model

Completed: April 2024

This project involved the development of a robust machine learning model designed to predict future trends based on historical data. Using various supervised learning algorithms such as decision trees, random forests, and neural networks, the system processes large datasets to identify patterns. Applications include financial forecasting, customer behavior prediction, and medical diagnostics.

Research & Blogs



In today's rapidly advancing world, the integration of technology in everyday life is paramount. By utilizing state-of-the-art sensors and algorithms, this wheelchair not only allows users to navigate with ease but also enhances safety through fall and obstacle detection mechanisms. Join us as we explore the potential of assistive technologies in transforming lives!



As healthcare continues to evolve, the Internet of Things (IoT) is playing a crucial role in monitoring patient health. Our innovative IoT-based project aims to track electrolyte levels and heart rates in real-time, providing vital data for individuals with chronic conditions. Discover how IoT is revolutionizing healthcare and improving patient outcomes!



Participating in the annual national hackathon, our team developed a comprehensive app designed to facilitate mental health support for students. This experience not only honed our coding and collaboration skills but also highlighted the importance of technology in addressing mental health challenges in educational environments.



I had the opportunity to attend a prestigious tech conference, where I engaged with industry leaders and gained insights of the tech landscape and motivated me to explore innovative solutions to real-world problems through collaboration and creativity. I left inspired to apply these insights in my future projects and explore more about them.

