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EDUCATION

Missouri University of Science and Technology (Missouri S&T) – Rolla, MO	May 2023
Master of Science in Computer Science	GPA: 3.9/4.0
Coursework: Design & Analysis of Algorithms, IoT with Data Science, Database Management Systems, Advance Topics in Artificial Intelligence, Data mining, Advance Topics in Wireless Communications, Security Operations & Management	
PSG College of Technology – Coimbatore, India	May 2017
Bachelor of Engineering in Computer Science	GPA: 3.1/4.0
Coursework: Data Structures, Computer Networks, Computer Architecture, Operating Systems, Mobile Systems Engineering, Cloud Computing, Artificial Intelligence.	

ACADEMIC PROJECTS

Smart Waste Segregator with Status Detection

- Collaborated with a team of 3 people and developed a waste segregator based on the terms of recyclable capacity
- Proposed the use of Jetson Nano and incorporated with the help of Resnet-50 and CNN
- The prototype segregates the waste obtaining an accuracy of 95% and monitors the bin status when the trash is 100%

E-Commerce Website

- Developed responsive and dynamic web pages using HTML, CSS, and JavaScript to improve cross browser compatibility
- Enhanced website accessibility and usability by implementing interactive features and functionalities
- Implemented Visually Appealing Design in an aesthetically pleasing and user-friendly interface that captivates visitors and encourages exploration.

Food Delivery App

- Teamed with a group of 2 people and built a fully functional Food Delivery App using React.js for a User-Friendly Interface
- Configured the App with Node.js and Express.js for Robust Backend and used MongoDB for Scalable Data Storage
- Facilitated the App with real-time updates via Admin Page to Add and Remove Items from the menu, update the Delivery Status, etc. Deployed the App with User Authentication and integrated real time payments using Stripe

Hand Gesture Recognition

- Teamed with a group of 3 people and implemented a recognition method using Hand Gestures that utilizes CNN classifiers
- Motivated to use 3D-CNN in the architecture that led to 93% accuracy
- Optimized the 3D-CNN architecture by using stochastic gradient descent to increase the accuracy

Travel and Tourism Website

- Designed a Travel and Tourism Website User Interface using React, helping in booking holidays across the world.
- Executed responsive and interactive user interface experiences for better Cross Browser Compatibility.
- Redesigned the user interface, resulting in a 30% increase in user engagement and a 25% reduction in bounce rates.

Smart Health Monitoring System

- Coordinated with a group of 2 people to build an online application to monitor the patient's vitals on regular basis, thus making economically feasible by 30%
- Initiated this idea in the view for patients who are immobile thereby reducing the risk of emergency by 26%
- Promoted this application to a small scale of 10 families to see if there is any unusual behavior and thus nearby residents get an alert based on that

SKILLS AND CERTIFICATIONS

Programming Language:	C, C++, Python
Web Technologies:	HTML5, CSS3, Bootstrap, JavaScript, TypeScript, React, Redux, Node.js, Express.js, Restful API
Databases:	SQL – MySQL, NoSQL - MongoDB
Tools:	Linux, Git, GitHub, VS Code, IntelliJ, Eclipse
Certifications:	HTML, CSS, and JavaScript for Web Developers (Johs Hopkins University) Meta Front-End Developer Professional Certificate (META) Developing Websites and Front-End with Bootstrap (IBM) The Complete Sass & SCSS Course: From Beginner to Advanced (UDEMY)