Nitish ChittoorKrishnamurthy

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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%

Recurrent Neural Network for Text Classification

- Guided a group of 4 people and implemented the project on analyzing reviews on a movie data-set of size 10,000
- Generated the Reviews about a movie on the internet using a text classification technique, thereby simplifying the process of making a conclusion whether a good film to watch or not to 40%
- Analyzed the conclusion by the results obtained after classification achieving an accuracy of 90%

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

Hospital Management System

- Pioneered a Hospital Management System comprising of 3 people, that helps in executing all the basic activities
- Enhanced the facility management by providing a two channel between the doctor and patient on appointment basis
- Minimized the error occurrence caused due to human error and negligence by 30%

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 gets an alert based on that

SKILLS AND CERTIFICATIONS

Programming/Scripting Languages:	Python, C, C++, JavaScript
Web Frontend Technologies:	HTML, CSS, React, Angular
CSS Preprocessors:	SCSS and Sass
Tools and Technologies:	VS Code, Eclipse, Sublime Text
Version Control:	Git, GitHub
Certifications:	HTML, CSS, and JavaScript for Web Developers,
	Developing Websites and Front-Ends with Bootstrap (IBM)
	Introduction to Front – End Development by META
	Programming with JavaScript by META
	Version Control by META
	HTML and CSS in Depth by META
	The Complete Sass &SCSS Course: From Beginner to Advanced from Udemy
	React Basics by META
	Advanced React by META