

# GANESH NYAUPANE

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## Skills

C, C++, Java, Python, Linux, Windows, IOS, Android, MySQL, HTML, PHP, CSS, XML, JavaScript,

## Individual/academic projects

**Marri Laxman Reddy Institute of Technology**

### **“Garbage Waste Detection using Image Processing”**

**Spring 2020**

- Developed a mobile application using android which uses the image processing technique to identify the garbage waste.
- The system preprocesses the image collected and stored in the data based to build a model. The main idea behind this is to develop a module for Garbage Identification and sending information to collect the garbage which helps in keeping the environment clean.

**Technologies: Android, TensorFlow, Image Processing.**

### **“Call off Farm Maverick”**

**Fall 2019**

- The model named "Call off Farm Maverick" is a farm bot which can be operated from the phone module based on Bluetooth/WiFi module. Basic features of our bot are irrigation and harvesting.
- The module of this bot had come from the idea of advancing the present farm bot and to provide to every farmer for a better cost and for easy use ability.

**Technologies: Internet of Things, Arduino, Embedded C.**

### **“Smart Attendance System”**

**Spring 2019**

- Developed an AI solution advancing with the existing solution for image recognition in the use case of Smart Attendance System.
- A Training module is developed using the pre capture images to build a CNN model and then its been test using the real time test data in testing module.

**Technologies: Python, OpenCV.**

## Work Experience

**Web Developer, Wissenarie, Hyderabad, India**

**January 2020- May 2020**

- Designed and developed UI components using the CRM frameworks like WordPress and Joomla.
- Worked with the team for new website templates and transition using HTML, CSS and JavaScript.
- Monitored website traffic and analysis using Google Analytics.

**Intern, EntreeSphere, Hyderabad, India**

**March 2019- May 2019**

- Created and tested applications for websites using JavaScript and php.
- Assisted and supported in the upkeep and maintenance of websites.
- Troubleshoot website problems using brute force method.

## Student Work Experience

**Graduate Teaching Assistant, College of Science and Engineering**

**January 2021- Present**

University of Houston - Clear Lake, Houston, Texas

- Provide more personalized instruction to smaller groups of undergraduates in subsections of the course.
- Evaluate student essays, projects, labs, tests and other assessments.
- Maintain records on student progress/grades.

**Student Assistant, Office of Student Advocacy**

**September 2021- January 2022**

University of Houston - Clear Lake, Houston, Texas

- Provide excellent customer service, support, and general information to students, parents, faculty, staff, and visitors, virtually and in person.
- Create and facilitate special projects, campaigns, events, training, and workshops.

- Create social media content and manage digital content across multiple platforms (web, database, social media, email, etc.).
- Assist in the general management and duties of the Career Closet, Former Foster Youth Support Services, Emergency Assistance Programs, and Food Access Programs/Distributions.
- Analyze data and produce reports. Clerical and front desk duties.

**Student Intern**, Center of Innovation and Entrepreneurship

**August 2019- January 2020**

Marri Laxman Reddy Institute of Technology, Hyderabad, India

- Create and facilitate student projects, training and workshops.
- Evaluate student projects and survey documents.
- Provide personalized instruction to smaller group of undergraduate students for micro projects.
- Teach basics of engineering and latest trends in the market.

### **Student Leader Experience**

**Vice President - Committee Coordinator**, Student Government Association,  
University of Houston - Clear Lake, Houston, Texas

**June 2021- Present**

- Advocate for student concerns.
- Develop a recruitment plan for approximately 20 university committees.
- Communicate with university stakeholders to determine the needs of campus committees.

**Secretary**, Student Council, Center of Innovation and Entrepreneurship

**August 2018- May 2020**

Marri Laxman Reddy Institute of Technology, Hyderabad, India

- Collaborated on strategic planning for recruitment of new student interns.
- Developed student groups who led social innovation projects.
- Organized 4 national and 2 international innovation conferences and events.