**TAMMINENI RAKESH**

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**ACADEMIC QUALIFICATION**

**12th Grade in MPC**, Sri Chaitanya junior college, Tirupath, Andhra Pradesh Board of Intermediate Education, Aggregate :91.4%, June 2013.

**Bachelor of Engineering in Electronics and Communication Engineering,** College\_name Bengaluru, affiliated to Visvesvaraya Technological University, Belagam, Aggregate: 75.38%, June 2017.

**WORK EXPERIENCE**

**Software Developer , Adisys Technologies (R&D) Pvt. Ltd,Banglore August 2017 –March 2018**

**Job Responsibilities:** Producing clean, efficient code based on specifications. Testing and deploying programs and systems. Fixing and improving existing **software**.

**Associate Software Developer , Sasken Ltd,Banglore july 2018 –till date**

**Job Responsibilities:** Producing clean, efficient code based on specifications. Testing and deploying programs and systems. Fixing and improving existing **software**.

**PROJECTS**

1. **INTELLIGENT DRIVER ASSISTANCE :**

* **Description:-**Created a processor based control system that would intimate the driver of the obstacles ahead, limiting the speed in speed restricted areas, and helping to overtake.
* **Responsibilities:-**Worked as an active member in a group of 3 people and contributed

In coding and development process.

* **Key Technologies:-**

Language : MATLAB,Embedded C, C++

Operating system : Windows 8

Platform : Arduino ide, MATALAB

1. **Gear Display system in Bikes:**

* **Description:-**Created a gear display system using 8085 microprocessor, a hall sensor and display. The hall sensor would detect the motion of the gear rod and would take the corresponding action of counting up or down**.**
* **Responsibilities:-**Was a team leader and also the spokesperson of the team of 4,

And was the main lead in coding.

* **Key Technologies**:-

Language : Embedded C

Platform : Masm

1. **Conversion of non-touch screen to touch screen:**

* **Description:-**Made a non-touch screen monitor into a touch screen monitor using an accelerometer that enables to read the 3 coordinates, analog to digital convertor converts the obtained signals and gives it to the processor where corresponding action is taken.
* **Responsibilities:-**Worked with this project in the earlier stage of my under graduation, did the project as the whole and sole of it.
* **Key Technologies**:-

Components: accelerometer, analog to digital convertor and a Processing box.

1. **GeoFence creation and Monitoring:**

* **Description:-**Enabling the parent to create/draw a fence on the map, and enable the parent to activate and monitor the kid’s location in real time.
* **Responsibilities:-**Worked on the front end, data base creation and real time monitoring of the system.
* **Key Technologies**:-Html, CSS, bootstrapping, JavaScript, MySQL, PHP.

1. **Image Detection And Alerting:**

* **Description :-** To check if any element is stuck after the molding process in the molding machine .
* **Responsibilities:-**Worked on creating a region of interest (roi) and processing that region to check if any element is stuck and if stuck alerting the employees.
* **Key Technologies**:-Python, OpenCV, Raspberry pi3.

1. **Multiple Pick Up Points In The Way From Source To Destination :**

* **Description :-** .To enable real time monitoring for parents and the driver along all the points in between source and the destination.
* **Responsibilities:-**worked on the front end and helped in developing the real time monitoring system.
* **Key Technologies**:- Html5, CSS, Ajax, JavaScript, MySQL, PHP.

1. **Real Time Monitoring Of Energy Meters And Updating:**

* **Description :-** To check if the energy meter in the industry is working or not and if not working alert the employees and if working see if it in the norms and creating a UI for this .
* **Responsibilities:-**Worked on creation of data base and real time monitoring and creating a user experience for the employees.
* **Key Technologies**:- Html5, CSS, Ajax, JavaScript, MySQL, PHP, embedded devices programming.

1. **Real Time Object Detection With Deep Learning :**

* **Description :-** To see if any object is entering our region of interest in real world , if so then blow a alarm.
* **Responsibilities:-**Working on training a model for our dataset and helping it to detect all the models of our interest.
* **Key Technologies**:-Python, OpenCV, deep learning, neural networking, computer vision.

**PAPER PRESENTATIONS**

* Channel Modelling of Underwater Acoustic Communication
* Vehicle Detection using Simplified Fast R-CNN
* Audio Spotlight
* Image Fast Template Matching Algorithm Based on Projection and Sequential Similarity Detecting
* on the Performance of AOA Estimation Algorithms in Cognitive Radio Networks.

**WORKSHOPS ATTENDED**

Sixth Sense technology (the wearable gestural interface that augments the physical world)

IOT : conducted in my college by BITES.  
 cadence workshop conducted by cadence at GSKSJTI (2016).

**TECHNICAL SKILLS**

* **Languages:** C, C++, embedded C, MATLAB ,Verilog, VHDl, JAVA With Swings, J2EE,Html, CSS, Python, deep learning, computer vision, MySQL , php ,.net ,cSharp
* **Operating systems:** Microsoft Windows, Ubuntu
* **Web Programming/Scripting:** JavaScript, JSP, ASP.net
* **Tools:** Turbo C, pspice, Solid edge s4, Xilinx ise, Cadence, Masm, Keil, CCS Studio, Matlab, Arduino ide, eclipse, Anaconda ,python ide ,Visual Studio , [tableau](https://www.tableau.com/)

**TRAININGS ATTENDED:**

● Sixth Sense Technology, Conducted by Technophilia Systems and Robotics & computer application institute, USA,UVCE, Bangalore

● Entrepreneurship Awareness Drive, Conducted by Entrepreneurship cell, IIT Kharagpur, Jnana Bharthi Auditorium

● Ethical Hacking and Python Scripting, GSKSJTI, Bangalore

● Climate Change Quiz 2015 and Climate Sciences, Conducted by Divecha Centre for climate Change, Indian Institute of Science, J.N Tata Auditorium, IISC, Bangalore

**EXTRACURRICULAR ACTIVITIES**

● College Sports Co-ordinator

● Lead the college chess team from the front and were placed in rank 12th in VTU

● Two time state gold medalist in the years 2007 and 2008

● Have remained the chess champion of the college for 4 successive years

● Was the coordinator for cricket in the college annual sports and have also been the director of many cultural and non-cultural activities in school and colleges

● unanimously elected as the class representative for 4 consecutive semesters

● Won the best mini project award in the college

Won the on spot best project award.

● Played for college cricket team and football and chess team for 4 consecutive years