**TAMMINENI RAKESH**

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**CAREER OBJECTIVE**

To obtain a position that will allow me to utilize my technical skills, face challenges of today’s world, provides me the opportunity to improve my skills and knowledge and willingness to learn in making an organization successful.

**ACADEMICS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree/**  **Specialisation** | **Board/University** | **School/College** | **Year of**  **Passing** | **Percentage** |
| B.E  (ECE) | Visvesvaraya Technological  University | uvce | 2017 | 76 |
| 12th  (MPC) | Andhra Pradesh Board of  Intermediate Education | Sri Chaitanya junior college | 2013 | 91.4 |
| 10th | CBSE | KENSRI School | 2011 | 79.8 |

**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.

**TRAININGS ATTENDED:**

* **Sixth Sense Technology**

Conducted by: Technophilia Systems and Robotics & computer application institute, USA

Venue: UVCE, Bangalore

* **Entrepreneurship Awareness Drive**

**Conducted by:**Entrepreneurship cell, IIT Kharagpur

**Venue:** Jnana Bharthi Auditorium

* **Ethical Hacking and Python Scripting**

**Venue:** GSKSJTI, Bangalore

* **Climate Change Quiz 2015 and Climate Sciences**

Conducted by: Divecha Centre for climate Change, Indian Institute of Science

Venue: J.N Tata Auditorium, IISC, Bangalore.

**WORK EXPERIENCE:**

* **Adisys Technologies (R&D) pvt ltd**

From: September

To: Present

Role: Software Developer

**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/)

**OTHER SKILLS**

* Very Good Logical and Analytical Skills.
* Strong motivational and leadership skills.
* Ability to produce best results in pressurized situation.
* Excellent communication skills both in written and verbal.
* Ability to work as individual as well as in a group.
* Coding in an efficient manner.

**AWARDS & ACHIEVEMENTS**

* Because of my strong interpersonal and team management skill I was selected as the college sports coordinator.
* Lead the college chess team from the front and were placed in rank 12th in VTU.
* National taekwondo bronze medalist in 2009 and twice state gold medalist in the years 2007-2009.
* Have remained the chess champion of the college for 3 successive years.
* Was the coordinator for cricket in 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 semester.
* Made a project to display the gear counts in bikes.
* Won the best mini project award in the college.
* Played for college cricket team and football and chess team for 4 consecutive years.

**Personal Vitae**

**Full Name:** TAMMINENI RAKESH

**DOB:** 15/01/1996

**Gender:** Male

**Father’s Name:** T Suresh Kumar

**Mother’s Name:** T Nagamani

**Interests:** Sports (Cricket, badminton, football, chess, table tennis, taekwondo)

Computer gaming, Travelling, Programming.

**Languages Known:** English, Hindi, Kannada, Telugu.