**RAKESHTAMMINENI**

#15,7th Cross, Mathru Layout, Yelahanka New Town, Banglore-560064

Contact No.: 8296865364, Email ID: [rakeshtammineni@gmail.com](mailto:rakeshtammineni@gmail.com)

**ACADEMIC QUALIFICATION**

**Bachelor of Engineering in Electronics and Communication Engineering,** College name, affiliated to Visvesvaraya Technological University, location,Aggregate: 76%, June 2017

**WORK EXPERIENCE**

**Software Developer Adisys Technologies (R&D) Pvt. Ltd, Banglore august 2017- march 2108**

**Job Responsibilities: Worked as Developer in R&D division.**

**Software Engineer Sasken Technologies Ltd Banglore july 2018 –till date**

**Job Responsibilities:Working as Software engineer in Digital team.**

**PROJECTS**

**Intelligent Driver Assistance, Banglore, 4 months 02/17 -06/17**

**Brief 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

* **Individual Role:**Worked as an active member in a group of 3 people and contributed in coding and development process
* **Tools Used:**MATLAB,Embedded C, C++, Windows8 andArduinoide

**Gear Display system in Bikes, Banglore, 3 months 09/15-12/15**

* **Brief 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
* **Individual Role:**Was a team leader and also the spokesperson of the team of 4,
* And was the main lead in coding
* **Tools Used:**Embedded C and Masm

**Conversion of non-touch screen to touch screen, Banglore, 3 months 01/16-04/16**

**Brief 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

* **Individual Role:**Worked with this project in the earlier stage of my under graduation, did the project as the whole and sole of it
* **Tools Used:**accelerometer, analog to digital convertor and a Processing box

**GeoFence creation and Monitoring, banglore at ADISYS, 1 months 08/17-09/17**

**Brief 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

* **Individual Role:**Worked on the front end, data base creation and real time monitoring of the system
* **Tools Used:**Html, CSS, bootstrapping, JavaScript, MySQL, PHP

**Image Detection And Alerting, banglore at ADISYS, 1 months 09/17-10/17**

**Brief Description:**To check if any element is stuck after the molding process in the molding machine

* **Individual Role:**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
* **Tools Used:**Python, OpenCV, Raspberry pi

**Real Time Object Detection with Deep Learning, banglore at ADISYS, 6 months 10/17-03/18**

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

**PAPER PRESENTATIONS**

* modeling of underwater acoustic communication at Govt SKSJTI 2106
* audio spotlighting at Govt SKSJTI 2017
* Reverse image processing at Govt SKSJTI 2017
* Vehicle Detection using Simplified Fast R-CNN at Adisys pvt ltd 2017
* ‘Image Fast Template Matching Algorithm Based on Projection at Adisys pvt ltd 2018
* Sequential Similarity Detecting at Sasken Technologies 2018
* On the Performance of AOA Estimation Algorithms in Cognitive Radio Networks at Sasken Technologies 2018

**WORKSHOPS ATTENDED**

* Sixth Sense Technology, Conducted by Technophilia Systems and Robotics & computer application institute, USA,UVCE, Bangalore
* Ethical Hacking and Python Scripting, GSKSJTI, Bangalore
* IOT conducted by BITES
* JAVA Conducted by infidata pvt ltd

**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, JnanaBharthi 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 2016/17
* Lead the college chess team from the front and were placed in rank 12th in VTU 2105/16/17
* 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 2014/15/16
* 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 2017
* Unanimously elected as the class representative for 4 consecutive semesters 2013/2014/2015
* Won the best mini project award in the college 2016
* Played for college cricket team and football and chess team for 4 consecutive years