**RAKESH TAMMINENI**

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**ACADEMIC QUALIFICATION**

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

**WORK EXPERIENCE**

**Software Engineer Sasken Technologies Ltd Bengaluru July 2018 –till date**

**Job Responsibilities:** Working as Software Engineer in Digital team

**Software Developer in Adisys Technologies (R&D) Pvt. Ltd, Bengaluru, August 2017- March 2108**

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

**PROJECTS**

**Intelligent Driver Assistance, Bengaluru, February 2017 – June 2017**

**Brief Description:** Creating 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 and Arduinoide

**Gear Display system in Bikes, Bengaluru, September 2015- December 2015**

**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:** Team Leader and also the spokesperson of the team of 4, was the main lead in coding

**Tools Used:** Embedded C and Masm

**Conversion of non-touch screen to touch screen, Bengaluru, March 2016**

**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, Bengaluru at ADISYS, September 2017**

**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, Bengaluru at ADISYS, October 2017**

**Brief Description:** To check if any element is stuck after the moulding process in the moulding 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, Bengaluru 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**

* On the Performance of AOA Estimation Algorithms in Cognitive Radio Networks at Sasken Technologies 2018
* Image Fast Template Matching Algorithm Based on Projection at Adisys Pvt. Ltd. 2018
* Vehicle Detection using Simplified Fast R-CNN at Adisys Pvt. Ltd. 2017
* 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
* Molding of underwater acoustic communication at Govt. SKSJTI 2106

**WORKSHOPS ATTENDED**

* Entrepreneurship Awareness Drive, Conducted by Entrepreneurship cell, IIT Kharagpur, JnanaBharthi Auditorium
* JAVA Conducted by infidata Pvt. Ltd.
* Climate Change Quiz 2015 and Climate Sciences, Conducted by Divecha Centre for climate Change, Indian Institute of Science, J.N Tata Auditorium, IISC, Bengaluru
* Workshop on SQL Advanced and Java8 conducted by SASKEN Technologies (2018).

**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, Bengaluru (2015)
* Ethical Hacking and Python Scripting, GSKSJTI, Bengaluru(2016)
* JAVA and J2EE, Springs, SQL and Python training conducted by jspiders in Bengaluru, 2017
* IOT conducted by BITES

**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
* 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
* Won the best mini project award in the college 2016
* Played for college cricket team and football and chess team for 4 consecutive years(2014-2017)