**RAKESHTAMMINENI**

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**ACADEMIC QUALIFICATION**

**Bachelor of Engineering in Electronics and Communication Engineering,** Government Sri Krishnarajendra Silver Jubilee Technological Institute (GSKSJTI),Bengaluru, Score:75.3%, June 2017

**WORK EXPERIENCE**

**Associate Software Engineer,SASKEN Technologies Private Limited,Bengaluru, July 2018-Present**

**Project: Video Conference Application, July 2018-Present**

**Brief Description**: Developing a video conferencing app using VidyoAPI where more than 16 people will be conversing using a Skype-likeplatform of the highest quality

**Individual Role:** Working on the server-side coding and video quality maintenance

**Tools Used:** Java, JSP, Hibernate,Springs

**Software Developer, Adisys Technologies (R&D) Private Limited, Bengaluru, August 2017-March 2018**

**Project: Real-Time Object Detection with Deep Learning, October 2017-March 2018**

**Brief Description:** Trained our own model and enabled it to detect the vehicle density on the road and adjust the timer according to the traffic signal

**Individual Role:** Worked on training a model for the dataset and detected all the models of our interest

**Tools Used:** Python, OpenCV,Numpy, Deep Learning, Neural Networking, Computer Vision,Tensorflow

**Project: Image Detection and Alerting, October 2017**

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

**Individual Role:** Worked on creating a region of interest (ROI) and processed that region to check and alertemployees in case of this occurrence

**Tools Used:** Python, OpenCV, Raspberry Pi

**Project: Geo-FenceCreation and Monitoring, August 2017**

**Brief Description**: Enabling the parent to create/draw a fence on the map, activate it, and monitor their kids’ location in real-time

**Individual Role:**Worked on the front end, database creation, and real-time monitoring of the system

**Tools Used:**Html, CSS, Bootstrapping, JavaScript, MySQL, PHP.

**ACADEMIC PROJECTS**

**Intelligent Driver Assistance, February-June 2017**

**Brief Description:**To create a processor-based control system that would intimate the driver of the obstacles ahead, limiting the speed in speed restricted areas, and helping the driver to overtake.

**Individual Role:**Contributed tothe coding and development process in the three-member team

**Tools Used:**MATLAB,Embedded C, C++, andArduino Ide

**Conversion of Non-touch Screen to Touch Screen (Individual Project), March 2016**

**Brief Description:**Developed a non-touch screen monitor into a touchscreen monitor using an accelerometer that enables reading of three coordinates andanalog to digital conversion and gives it to the processor where the corresponding action is taken

**Tools Used:**Accelerometer, Analog to Digital Converter, and Processing Box

**Gear Display System in Bikes, September-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:** As the team leader and spokesperson of the team of four, was the main lead in coding

**Tools Used:** Embedded C and MASM

**PAPER PRESENTATIONS**

* Performance of AOA Estimation Algorithms in Cognitive Radio Networks, Sasken Technologies, Bengaluru,September 2018
* AtAdisys Technologies, Bengaluru:
* Image Fast Template Matching Algorithm Based on Projection,February 2018
* Vehicle Detection using Simplified Fast R-CNN, November 2017
* At Government SKSJTI, Bengaluru:
* Reverse Image Processing, June 2017
* Audio Spotlighting, March 2017
* Moldingof Underwater Acoustic Communication, August 2016

**WORKSHOPS ATTENDED**

* Workshop on SQL Advanced and Java8 conducted by Sasken Technologies, October 2018
* JAVA Workshop, conducted by InfidataPrivate Limited, May 2018
* Entrepreneurship Awareness Drive, conducted by the Entrepreneurship Cell of IIT Kharagpur, October 2016
* Climate Change Quiz and Climate Sciences, conducted by Divecha Centre for Climate Change, at Indian Institute of Science, Bengaluru, April 2015

**TECHNICAL SKILLS**

* **Languages:** C, C++, objective c,MATLAB,Verilog, VHD1, JAVA with Swings, J2EE,Springs, Hibernate, HTML, CSS,Bootstrap,Angular 2, Python, SQL, PHP, C Sharp
* **Operating Systems:** Microsoft Windows, Ubuntu
* **Web Programming/Scripting:** JavaScript, JSP, ASP.net
* **Tools:** Turbo C, P Spice, Solid Edge S4, Xilinx ISE, Cadence, MASM, Keil, CCS Studio, MATLAB, Arduino IDE, Eclipse, Anaconda, Python IDE,Visual Studio, [Tableau](https://www.tableau.com/)

**TRAININGATTENDED**

* JAVA and J2EE, Springs,SQL and Python Training at JSpiders, Bengaluru, May-June 2018
* IoT Training, conducted by BITES, March 2017
* Ethical Hacking and Python Scripting Training, at GSKSJTI, Bengaluru, April 2016
* Sixth Sense Technology Training, conducted by Technophilia Systems and Robotics andComputer Application Institute, USA, April 2015

**EXTRACURRICULAR ACTIVITIES**

* Team lead, chess team of SKSJTI, Bengaluru, 2015-2017 and secured 12thrank in the VTU Inter-college Chess Championship, April 2017.
* Class representative for 4 consecutive semesters.
* Director of cultural and non-cultural activities in college, March 2017
* Cricket Coordinator, Annual Sports meet, February 2017
* Member of cricket, soccer, taekwondo and chess teams of GSKSJTI, Bengaluru,2014-2017
* Chess Champion of SKSJTI, Bengaluru, for three successive years, 2014-2016.
* Won the best mini project award at SKSJTI, Bangalore, October 2016.