Saketha Ramanujam S. S.

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▬▬▬▬ Education

2015 - On Going	**B-Tech in E.C.E,** *7.74 /10.00*
	Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam.
2013 - 2015	**Intermediate Education ,** S*ri Chaitanya Sai Junior Kalasala, 96.2%*
	Board of Intermediate Education Andhra Pradesh.
2012 – 2013	**Senior Secondary Certificate,** *Sri Venkateswara Bala Kuteer, 9.5/10.0*
	Board of Secondary Education Andhra Pradesh

▬▬▬▬ Work Experience

Content Moderator and Maintainer	**GVP-AI-Club @ GitHub**	2018 July - Present
Research Intern	**Scientific and Industrial Research Center, GVPCE(A)**	2018 April – Present.
Sound Design Intern	**Khadga Entertainment**	2017 March – January 2018

▬▬▬▬ Projects

June 2018 – Present	**Implementation of Random Forest Classifier for monitoring Air Quality**
May 2018 - June 2018	**Audio Signal Filter for Eaves Dropped Audio in Photonic Systems**
	A signal processing mechanism for reconstructing the audio from laser intercepted photonic system and enhancing the quality of audio.
May 2018	**Image processing result delivery automation using Google Cloud Platform.**
	Linux server setup for processing images on cloud VM and delivering process results to user using google cloud platform and google firebase.
May 2018- June	**Data Transmission Application for Raspberry Pi**
	A web-socket based python client server mechanism implementation to stream (near)real time sensor data to remote client.
March 2018- July	**Gaze tracking application in Python.**
	A Gaze tracking application for screen heat map generation to aid triggering of advertisement service.
January 2018- March 2018	**Abandoned Object Detector for Security Purposes**
	A technology solution for Techgium Competition held by L & T Technology Services using TensorFlow objection detection model for deep learning in python.
December 2017	**Image Classifier using Convolutional Neural Networks**
	Implemented a Convolutional Neural Network for classifying pressure gauge images using Keras and a pretrained network VGG16.
June- August 2017	**RC Controlled Quad-Copter,**
	A remote controlled quad copter built using a predesigned K. K development board and a radio frequency remote controller.
September 2016	**Darlington Pair Amplifier**
	A collector coupled amplifier to meet high current gain need using BC 547 transistor

Languages

Spoken	**English, Telugu, Hindi**
Programming	**C , Python, MATLAB, Embedded C(Arduino)**
Web Scripting	**HTML5 ,CSS3, JavaScript, Express**

Technical Skills

Operating - Systems	**GNU/LINUX, Windows**
API's and Frameworks	**Vuforia, TensorFlow(Intermediate), Keras(Intermediate), Firebase, Google Cloud Platform, Flask, Microsoft Azure, AWS**
Web Technologies	**Bootstrap , Material Design Library**
IDEs	**Sublime, Visual Studio Code , Unity, MATLAB, EAGLE, MultiSim**
Others	**PhpMyAdmin, Version Control (git) , Apache2 , Nginx**

Design Skills

Beginner	**Adobe After Effects, Autodesk Maya**
Intermediate	**Fl Studio, Adobe Illustrator**
Advanced	**Adobe Photoshop, Corel Video Studio**

Interests

| Astro and Particle physics
| Deep and Machine Learning
| Radio Astronomy
| Computer Vision
| Cloud Computing

Achievements and Honours

Campus Expert	**GitHub Education**	September, 2018
Microservices and Apis Cerfication	**Free Code Camp**	September 2018
Attendee	**Undergraduate Summer School, Indian Institute of Science**	July, 2018
National Finalist	**Larsen and Toubro Techgium**	April,2018
Lead Prayanee	**Deshpande Foundation**	January 2017