

# K V SAI SASHANK

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## EXPERIENCE

### Ridhan Technologies

#### Summer Intern

June, 2019- July, 2019

Hyderabad, Telangana

- Worked on frontend development of a website 'Tuta Screen'.
- Developed a mobile application for 'Tuta Screen' which is compatible for both Android and IOS.
- Appointed as the team leader of my peers.
- Technologies used - Ionic Framework, Angular JS, HTML, CSS.

## PROJECTS

### Voice Controlled Robot using Arduino and Bluetooth Module

- Built a bot that runs on voice commands.
- The voice input is transmitted through a bluetooth module and runs with the help of an arduino microcontroller.
- Technologies used - Arduino Software, Bluetooth Module.

### Crime Data Analysis

- Developed a model that predicts crime using machine learning algorithms like Random forest, Decision tree and Linear Regression.
- Technologies used: Python 3.7, Google colab.

### Smart Agri-business

- Created a website where the farmer gives the prioritized crops that he wants to grow. The website gives these input to our machine learning model which predicts loss and profit in future and gives best possible combination of those crops
- Technologies used: Python 3.7, Google colab.

### Loan approval prediction using Machine Learning

- Loan Approval Prediction is a classification problem, given information about the application we have to predict whether they'll be to pay the loan or not.
- Technologies used - Python 3.7, Jupyter Notebook.

### Real Time Sign Language Detection Using Tensorflow

- Hand gestures are taken as input images and trained with Mobilenet SSD model by splitting the data into train and test, predicting the gesture with accuracy.
- Technologies used - Python 3.7, Jupyter Notebook.

## PUBLICATIONS

### Journal Articles

- K V Sai Sashank, Vaddemani Sai Madhav and G. Shriphad Rao (2020). "Crime Data Analysis Using Machine Learning Models". In: *International Journal of Advanced Science and Technology* 29 (9), pp. 3260-3268.
- K V Sai Sashank, Manideep Jammigumpula and H. Jagadish Kumar (2019). "Voice Controlled Car using Arduino and Bluetooth Module". In: *International Journal of Engineering and Advanced Technology* 9 (2), pp. 1062-1065.

## COURSEWORK

- Machine Learning
- Introduction to Data science
- Python for Data Science
- Operating Systems

## EDUCATION

### B.Tech. Degree in Electronics and Computer Engineering Sreenidhi Institute of Science and Technology

2017- PRESENT

Ranga Reddy, Telangana

Secured 7.31 CGPA

### Senior Secondary Examination - Class 10+2

#### Brilliant Junior College

2015-2017

Hyderabad, Telangana

Secured 94 percentage

## SKILLSET

### Programming Languages

- C, C++, Python, Java, MySQL

### Web Technologies

- HTML, CSS, Javascript

### Operating System

- Windows, Linux

## EXTRACURRICULAR ACTIVITIES

### Rurathon 2020

- Participated in 24-hour long Rurathon. Finished in 6th position. Created a Prototype that gives the farmer best combination of crops that go with each other.

### Hackathon 2019

- Was part of organizing team of a 24-hour long hackathon held in college.

### Sports

- Earned Black-I belt in Taekwondo under World Taekwondo Federation.
- Participated in an Inter-School tournament. Secured Gold medal in Poomsae competition.
- Participated in an Inter-School tournament. Secured Silver medal in Nunchaku competition.