SAI HARISH KOMANDURI

https://www.linkedin.com/in/ksaiharish/
475/C, Prajay Sai Gardens, Bandlaguda, Keesara, Hyderabad, Telangana, 501301
+91 9652845425 ⋄ saiharishkomanduri@gmail.com

EDUCATION

V R Siddhartha Engineering College, Vijayawada (JNTU - Kakinada) *July 2016 - Sept 2020*
Bachelor of Technology, Electronics and Communication Engineering. Overall CGPA: 8.1

Sri Chaitanya Junior College *June 2014 - April 2016*
Intermediate (XII Grade). Overall Marks: 949/1000

Sri Chaitanya Techno School *March 2014*
SSC/X Grade. CGPA: 9.7

PROJECTS

Optimization of Antenna Parameters using Particle Swarm Optimization and ANN Dec 2019 - May 2020

This project was done as a part of my undergrad thesis at V R Siddhartha Engineering College. Github Link

- Algorithm Used: Particle Swarm Optimization
- Programming: MATLAB

Loan Defaulters Classification using Exploratory Data Analysis July 2019

- The aim of the project was to predict loan defaulters, based on Exploratory Data Analysis(EDA).
- Technologies used: Python, Jupyter Notebook, Numpy, Pandas, Seaborn.

Prediction of House Prices using Multi Linear Regression July 2019

- The aim of the project is to predict House Prices. The dataset was optimized manually and using RFE. The test and trained data were compared and found to be in good acceptance.
- Technologies used: Python, Jupyter Notebook, Sci-kit, Pandas, Seaborn.
- Algorithm used: Multiple Linear Regression.

Smart Sanitation System using Raspberry Pi February 2018

- This project dealt with alerting the local authorities before the drain overflowing and clogging, thereby reducing the probability of clog, overflow and feculence. Executed the system using Raspberry Pi and ultrasonic sensors. Coded with Python and integrated with NodeRed. Created a WebUI dashboard.
- This project was done at a Hackathon organized by IIT Hyderabad at their annual elan&nVision fest.

Home Automation using Raspeberry Pi September 2017

- Home automation using IBM bluemix cloud platform was executed. The coding platform was Python and the hardware used was Raspberry Pi. Nodered was the supplementary platform where the web application has been developed. IBM bluemix cloud platform has been used to manage the database received from the sensors.
- This project was done at a Hackathon organized by IoT Makers - SmartBridge where we have gained special recognition from IBM and secured a runner-up position.

PUBLICATIONS

- **"Design of 5 Way Wide Band Wilkinson Power Divider for 6 to 18 GHz Applications,"** 03 January 2019. PIERS-Toyoma IEEE Xplore. DOI: 10.23919/PIERS.2018.8598094
- **"Low profile microstrip fed printed antenna for portable RF energy harvesting system,"** May 2018. International Journal of Engineering and Technology. DOI: 10.14419/ijet.v7i2.12435

TECHNICAL STRENGTHS AND COURSES

Languages C, Python, Java
Tools MATLAB, Keil, Jupyter
Courses Analog and Digital Electronics, Pulse and Switching Circuits, DSP Processors and Architectures, VLSI Design, Low Power VLSI Design, Electronic Devices Lab, VLSI Design Lab

WORK EXPERIENCE

Tata Consultancy Services, Hyderabad Aug 2020 - Present
Systems Engineer

· Selected under TCS Digital Profile.

Doordarshan Kendra, Vijayawada April 2019 - May 2019
Summer Intern

· An intensive training for 3 weeks for the ins and outs of DSP, VLSI, MW&RF in TV Communication.
· Trained for monitoring of Digital Earth Station for TV Signal transmission.

NSIC Ltd, Hyderabad May 2018 - June 2018
Summer Intern

· Developed basic real time applications using hardware components and its PCB Design implementation using PADS Logic and PADS Layout.

ACTIVITIES AND CAMPUS INVOLVEMENT

- **Department Coordinator** 2018-2019 - Institute Innovation Council, funded by MHRD, Govt of India.
- **IEEE Student Branch Chair** 2017-2019. (IEEE Member no. - 94398247).
- Accustomed to working in groups during academic projects and range of club and society involvements.
- Worked effectively in NSS group activities and had to adapt according to the team necessities.