

# Sai Ajay Vutukuri

FULL STACK DEVELOPER

## PROFILE

Passionate developer practicing full stack skills from 2+ years on various technologies across domains. Design thinker, wants to share and gain experience by exchanging knowledge. Became an intellectual personality. Always looking to enhance skills in areas Like, Web/Mobile Development, Data processing/Analytics, Embedded System, IoT.

## EDUCATION

### Amrita School of Engineering

B.Tech in Electronics and communication, June, 2014 - May, 2018  
8.83 CGPA

### Narayana Junior College

12th (Board of Intermediate education), April, 2012-April, 2014  
94.6%

### Narayana Concept School

10th (Board of Secondary Education), April, 2012  
8.7

## EXPERIENCE

### TATA Consultancy Services Ltd

June 2018 - Present

System Engineer  
Gandhinagar, Gujarat

- Under the roof of Microsoft Business Unit team, my responsibility is to develop an Application for users to view the data from the IoT device after data processing
- Worked in Digital Workplace team my role is to build best in industry Intranet application & Employee Experience solutions to variety of customers across the domain.
- Enhancing my Full Stack skills with technologies like, Angular, NodeJs, React Js/Native, Ionic, and Python

## Contact



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December 19th, 1996

## TECH STACK

### Client-side Frameworks

- Angular 6
- React Js
- Javascript
- React Native
- Ionic

### Server-side Frameworks

- Python

### Database

- SQL

### Platforms

- Android
- iOS
- Dialog Flow

## PROJECTS

### Web Application Development

TATA Consultancy Services Ltd

Duration : 11 Months Offshore

- Developing web application for an audience using IoT device. The collected data is processed in machine learning models sent to a node server using Azure delta lake and Azure data factory. The received data is viewed in web application using charts and graphs.
- Solution build on top of Angular 8, nodejs, python with flavor of Azure delta lake and Azure data factory.

### Fitness Tracker (Mobile Applications)

TATA Consultancy Services Ltd

Duration : 6 Months Offshore

- Platform for monitoring and tracking fitness-related metrics such as distance walked or run, calorie burnt, cycling etc.
- Application is cross platform available for Android and iOS devices.
- The data is collected from trackers like fitbit, Google Fit, Apple Health or entered manually.
- Projects helps me upgrade my skills on Angular 7, Node Js, Ionic Frame work

### Emergent Learning & Collaboration Platform for Leading Insurance Group

TATA Consultancy Services Ltd

Duration : 8 Months Offshore

- Developed Web & Mobile applications to provide services for collaboration, learning & content sharing, currently using by more than 50k+ active users.
- Product takes extensive use of Angular Js, Ionic Framework & Ruby on Rails platform with integrations of different services to provide featurefull application.

## MINI PROJECTS

### Guide: Vignesh

- **Temperature controlled DC fan** using thermistor allows user to adjust the speed of the fan automatically by sensing the temperature.
- **Design and Simulation of Intruder Alarm Circuit:** Implemented a circuit of intruder by using a 555 timer to produce up-down wailing sound similar to alarm both on hardware and software by using Multi-sim software.
- **Design of Wireless IR music Transmitter and Receiver:** Generates audio musical notes with an audibility range up to 10 meters. Generates different musical tones by using melody generator and transistor.

## INTERNSHIP TRAINING

### All India Radio (AIR) Station Vijayawada, A.P

Guide: Kali Prasad

- Acquired considerable knowledge on Television broadcasting at Doordarshan Kendra for one week and learnt about modulation techniques involved in the transmission of channels at the kendra.

### Electronics Corporation of India Limited (ECIL) Hyderabad, T.S

Guide: Naveen Kumar

- Acquired knowledge on VHDL programming and basic knowledge on Verilog in VLSI design for 15 days and learned the design tool MODEL SIM

## PERSONAL QUALITIES

- Highly motivated and eager to learn new things.
- Strong motivational, leadership skills and Good explanation skills
- Ability to produce best result in pressure situation.
- Ability to work as individual as well as in group.

## SEMINAR

### Seminar on Cognitive radio networks(wireless communications)

- Discussed on power adaptation, spectrum hands-off scheme

## CERTIFICATES

- Received **On The Spot Award** for helping in a critical project delivery for client.
- Achieved **Best Team Award** for exceptional contribution towards project success.
- Honored with the **LIREL Award**, for setting an example at the workplace.
- Completed a online course on Mobile Robotics conducted by Swinburne University of Technology, Melbourne in October, 2015
- Participated in a workshop on Sixth Sense Robotics at Amrita School of Engineering.
- participated in a **Electronica** workshop conducted at Amrita School Of Engineering.

## ACADEMIC PROJECT

- Project on Application of sensor based technology in Aquaculture using IoT (Embedded Systems)
- Built a prototype based on Water quality parameters with various sensors, Food feeding system with servo motors and send the data through cloud.
- Published a research paper in Scopus indexed journals on Application of sensor based technology in Aquaculture using IoT in International Journal of Advanced research in Dynamic and Control systems.
- Published a review paper in Scopus indexed journal on selection of microcontroller and water quality parameters for better outputs in Aquaculture

## EXTRA CURRICULAR ACTIVITIES

- Participated in cleaning the surrounding areas conducted by workplace
- Teaching academic subjects to small children under grade 6 as part of **SIKSHA** club in college
- Volunteer for **TBI PITCH FEST & PHOTONICS** workshop
- Worked as a volunteer for **AAROHAN** (science event) held in the college
- Volunteered for **ECIF** (college forum) event Organisation

## ADDITIONAL INFORMATION

### Hobbies

- Solving Puzzles, Surfing in internet on latest technologies, Playing Cricket, and Listening to Music.

THANK YOU FOR YOUR TIME