

# Vanasetty Rohit

Roll Number: 17L31A1901

B.Tech - Electronics and Computer Engineering (ECM)

Vignan's Institute of Information Technology, Duvvada

+91-8328084975

vrohit1901@gmail.com

<https://vrohit1901.github.io/>

<https://github.com/VRohit1901>

## Career Objective

To become a part of an organization where my curricular background and technical knowledge is utilized to the fullest for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector.

## Education

Year	Course	Institute/Board	CGPA/Percentage
2017-Current	B. Tech	Vignan's Institute of Information Technology	7.59 CGPA (Current)
2015-2017	Intermediate	State board	62.5%
2013-2014	Matric	CBSE board	9.0 CGPA

## Hackathons

### 1. VESAITHON Hackathon (Vivekanand Education Society Institute of Technology)

- Built an AI chatbot that encourages independent learning in children so as to improve understanding in important subjects.
- Selected as one of the **Top 20** teams out of 1000+ teams National wide.
- Served as Team Leader for 3 members.

### 2. Smart India Hackathon

- Built a Solar Powered Smart Irrigation System which conserves electricity by reducing the usage of grid power and conserve electricity by reducing water losses.
- Winner** of Internal Smart India Hackathon.
- Served as Team Leader for 6 members.

### 3. DevHack 2.0 (IIT Dharwad)

- Designed a Solar Powered Smart Irrigation System with a Solar Tracker which can be controlled and monitored from anywhere in the world.
- Qualified Round 1** of the Hackathon conducted by IIT Dharwad.
- Served as Team Leader for 3 members.

## Projects

### 1. Object Detection Using TensorFlow

- Description:** Trained a CNN program and deployed it using an android app which can detect objects in real time through the camera with an accuracy of 88.37%.
- Technologies Used:** TensorFlow, TensorFlow lite, OpenCV, Anaconda, Android Studio
- Operating System:** Windows 10, Android 10
- Team Size:** 4
- Role:** Designer, Developer and Tester

### 2. Multi Class Image Classification

- Description:** Trained a CNN program and deployed it using which can classify between multiple images with an accuracy of 82.23%.
- Technologies Used:** TensorFlow, OpenCV, Anaconda, Jupyter Notebook.

### 3. Automatic Tank Filling System

- **Description:** This system uses an ultrasonic sensor to measure the water level in the tank and turn on/off the electric motor accordingly. A turbidity sensor is used to check contamination level of water.
- **Technologies Used:** Arduino, Tinkercad
- **Operating System:** Windows 10
- **Team Size:** 2
- **Role:** Team leader, Designer, Developer and Tester

### 4. Wi-Fi Controlled Car

- **Description:** A working prototype has been designed to drive an electric car wirelessly using an Android Application.
- **Technologies Used:** Arduino IDE, Tinkercad
- **Operating System:** Ubuntu 18.04, Android 7
- **Team Size:** 4
- **Role:** Designer, Developer and Tester

### 5. Portfolio Website

- **Description:** Designed a beautiful responsive static webpage from scratch to create an online portfolio for showcasing my skills.
- **Technologies Used:** HTML, CSS, Bootstrap, GitHub, GitHub Pages, Font awesome
- **Operating System:** Windows 10



## Technical skills

- **Programming languages:** C, C++, Java, Python
- **Web technologies:** HTML 5, CSS, XML, JavaScript
- **Database management:** SQL
- **Miscellaneous:** Firebase, GitHub, TensorFlow, Raspberry Pi, Arduino, Internet of Things, Data Structures
- **Operating system:** Windows, Linux, Mac



## Achievements

- **Received a letter of appreciation** from JNTUK for being a resource person in faculty development program held at JNTUK for IOT.
- **Qualified Round 1** of the Hackathon conducted by IIT Dharwad.
- **Winner** of Internal Smart India Hackathon.
- Won **2nd** in Project Expo for Wi-Fi Controlled Car.
- Won **2nd** in Machine Learning Competition.
- Secured **Top 20** out of 1000+ teams nationwide in VESAITHON.



## Hobbies

- Reading blogs and articles.
- Building and testing custom ROMs for my Android device and contributing to the open source community.



## Co-Curricular

- Google IT Automation with Python (currently pursuing)
  - TensorFlow in Practice
  - Joy of Computing using Python (**Silver Medallist**)
  - Programming in Java
  - Machine Learning Workshop
-