# Vanasetty Rohit

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## 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 | 7.85 CGPA (Current) |
| 2015-2017 | Intermediate | State board | 62.5% |
| 2013-2014 | Matric | CBSE board | 9.0 CGPA |

## Hackathons

1. **Smart India Hackathon (SIH 2020)**
   - Built a Solar-Powered Smart Irrigation System with a Solar Tracker which conserves electricity by reducing the usage of grid power and conserves electricity by reducing water losses.
   - **Winner** of Internal Smart India Hackathon.
   - Served as Team Leader for 6 members.
2. **DevHack 2.0 (IIT Dharwad)**
   - Designed an IoT Web-based Smart Irrigation System 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.
3. **VESAITHON Hackathon (Vivekanand Education Society Institute of Technology)**
   - Built an AI chatbot that encourages independent learning in children to improve understanding of important subjects.
   - Selected as one of the **Top 20** teams out of 1000+ teams National wide.
   - Served as Team Leader for 3 members.

## Projects

1. **Solar Powered Smart Irrigation System**
   - **Description:** Built a Solar-Powered Smart Irrigation System with a Solar Tracker which conserves electricity by reducing the usage of grid power and conserves electricity by reducing water losses.
   - **Technologies Used:** Python, C, HTML, CSS, Twilio API, ThingSpeak API, and Raspberry Pi
   - **Team Size:** 6
   - **Role:** Team leader, 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 the contamination level of water.
    - **Technologies Used:** Arduino, Tinkercad
    - **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, ESP8266, Tinkercad
    - **Team Size:** 4
    - **Role:** Designer, Developer, and Tester
5. **Portfolio Website ( https://vrohit1901.github.io/ )**
    - **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

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## Technical skills

- **Programming languages:** C, C++, Core Java, Python
- **Web technologies:** HTML, CSS, Bootstrap
- **Database management:** SQL
- **Miscellaneous:** Internet of Things
- **Operating system:** Windows, Linux, Mac

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## Achievements

- **Received a letter of appreciation** from JNTUK for being a resource person in the 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.

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## Hobbies

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

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## Co-Curricular

- DeepLearning.AI TensorFlow Developer (**Specialization Course by deeplearning.ai**)
- Joy of Computing using Python (**NPTEL Silver Medallist**)
- Programming in Java (**NPTEL Silver Medallist)**

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