**TATAVARTHI DHIRAJ**

[t.dhiraj@gmail.com](mailto:t.dhiraj@gmail.com)

+91-93905 70371

**Education Qualification:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Qualification** | **Year** | **Board**/**university** | **Percentage** |
| B.Tech till 6rd semester | 2020 | VIT (Vellore institute of technology) | 9.08 cgpa |
| Higher secondary | 2016 | Narayana junior college, Andra Pradesh Board | 96.6% |
| High School | 2014 | KKR Gotham, Central Board Of Secondary Education | 9.4 cgpa |

**Key Achievements and Experiences:**

* Secured 3rd in VIT Select make-a-thon for Winsol project, renewable Hybrid energy (Description under "Projects" section)
* Paper on Snoezelen Bubble tube got published in IEEE conference (<https://ieeexplore.ieee.org/document/8389466>) (Description under "Projects" section)
* Ericsson certified Career Connect program on telecommunication essentials
* Intern at Insemi Technologies on a project Asset Tracking(Description under "Projects" section)

**Technical Qualifications:**

* Python (basics of Django and ML)
* Core java
* SQL
* NI mydac
* Basics of MATLAB
* Basics of arduino

**Projects:**

* Winsol (Renewable hybrid energy)

Aim of the project is to maximize voltage output by combining Solar and Wind energy. Part of a technical team and worked on maximizing the efficiency of solar panel by use of self tilting solar panel using Arduino.

* Smart Snozelen bubble tube (Medico project for physically challenged)

A unique project to assist physically challenged personnel to calm down or relieve stress by use of multisensory tube. Typical use case is to manually control which is automated using Matlab.

* Asset tracking

Project to keep a track of all the valuable components in a room, using BLE tags and a gateway, the data from the gateway will be pushed to a local server or a cloud.

Worked on building a website, testing BLE tags and build a 3 circle one point algorithm.

* Disaster management bot

During a disaster, very tough to find people who are stuck or missing, so the bot fixed with camera and GPS module can aid in finding people.

* Smart traffic signal

Traffic signal which changes its signal in emergency cases such as Ambulance based on proximity, this project is completely built on arduino.

* Smart room

A device that monitors the temperature, humidity, level of co2 if any abnormality it will trigger a message to the owner or the manager, this is build using NodeMCU.

### Co-Curricular activities:

* Head of publicity and marketing in IEEE communication society

Communication society a student organization in VIT. Lead a team for publicity, and a member of decision making board.

### Worked as Manager at VIT-TUC (technical united conference)

VITTUC a technical MUN, a flagship event of student chapter IET.

* Worked as Manager at International conference ViTECoN ‘19

ViTECoN’19 is the first edition of IEEE scopes international conference, more than 120 research papers were published in this conference, and had lead a team of publicity and event organization.

**Personal Profile:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

T.Dhiraj s/o T.V.Satyanarayana, native of Bapatla (Andhra Pradesh), D.O.B: 23-Jan-1999

Linked in- <https://www.linkedin.com/in/dhiraj-tatavarthi-aaaaa415b>

Github - <https://github.com/tdhiraj123>