

# Vaylon Parnell Fernandes

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## Work Experience

- 12/2021 – present      **Trainee Engineer**  
*Digisol Systems Limited, Verna, Goa*
- 01/2019 – 01/2019      **Training in Embedded Systems And IoT**  
*Eduvance*

## Academic Projects

### Pollution Level Monitor, Collection and Prediction System

- Implemented various ML models and tested them using dummy data along with my team.
- Due to the COVID-19 restrictions, we were unable to complete the IoT section of our project, and validate our models with real-time data.

### Running Lights using IC555

- Designed a PCB layout using OSCAD
- Fabricated a blank PCB and soldered components to the PCB

## Personal Projects

### Flask Weather App [🔗](#)

A simple weather app built using Flask and Bootstrap

### Flask To Do List App [🔗](#)

A To-Do List app built using Flask and Bootstrap

### Random Wiki [🔗](#)

A simple Flask app that displays the title and intro of a random Wikipedia article with a link to the full article.

## Skills

|                    |           |                     |           |
|--------------------|-----------|---------------------|-----------|
| Python Programming | ● ● ● ● ● | HTML                | ● ● ● ● ● |
| CSS                | ● ● ● ● ● | Javascript          | ● ● ● ● ● |
| Bootstrap          | ● ● ● ● ● | Arduino Programming | ● ● ● ● ● |

## Certificates

- Hackerrank Python Basic Certificate
- Participation Certificate : Kshitij 2016, Don Bosco Project Expo.
- Participation Certificate : Kshitij 2017, Don Bosco Project Expo.
- Participation Certificate : B.S.S (Bose-Shannon-Shockley) Technical Paper presentation

## Courses

**The Complete Python Bootcamp - Go from zero to hero in python.**

*Udemy*

**Build your First Website in one week with HTML and CSS3**

*Udemy*

## Achievements

**Hackerrank Python Gold Level Badge**

*Hackerrank*

**Hackerrank Problem Solving Bronze Level Badge**

*Hackerrank*

## Publications

**Co-author: IEEE conference paper on Air Pollution Prediction using Machine Learning**

*IEEE*

## Education

2016 – 2020

**Electronics & Telecommunications Engineering**

*Don Bosco College of Engineering, Fatorda*