# Nischith B.O

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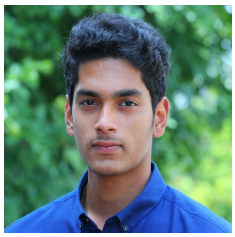

**OBJECTIVE :**

To work in the field related to real time image processing,machine learning and micro controller.

**EDUCATION :**

| Degree | School/College | University | Passing Year | Pass Percentage |
|---|---|---|---|---|
| Matriculation(10th) | Jnanadeepa school | CBSE Board | 2014 | 10 GPA |
| Intermediate(12th) | Aurobindo PU College | State Board | 2016 | 94% |
| B.TECH | PES | PES University | 2020 | present - 8.92 CGPA |

**Projects :**

1. Public Garden Automation System using 8051uc.

Project to build a system that monitors the external environment continuously and takes necessary action to normalize the condition. Monitoring of the moisture content of the soil at regular intervals and accordingly open or close the solenoid valve to water the garden, inputs from the moisture sensor was fed to 8051 micro controller which was programmed using embedded C to turn on the valve if necessary using relay. Monitoring the garden lights using LDR sensor. Automatic gate opening system using ultrasonic sensor display of time on LCD.

2. c program to implement karastuba algorithm .

implementation of long multiplication on numbers read as strings

3. PBL - Configuring routing protocols(RIP and OSPF) using GNS3.

**TRAINING & INTERNSHIPS:**

- Minors in computer science.
- Delegate of Young India Challenge
- Intern at sprouts solution.

**RESEARCH AND PUBLICATIONS:**

1. None.
2. None.

**TECHNICAL SKILLS :**

- Programming Skills :
  C, Python,django basics ,HTML/CSS basics Scilab, Matlab basics, Vivado, QUCS and Proteus simulations,Sublime.
- Machine Learning :
  Pytorch, Tensorflow basics.

**SOFT SKILLS :**

1. Problem-solving skills.
2. Leadership.
3. Teamwork.
4. Responsibility.
5. Conflict resolution
6. Ability to work under pressure

**EXTRA-CURRICULAR ACTIVITIES :**

- sports:
  captain of school and college cricket team, football.
- Community service.

**CO-CURRICULAR ACTIVITIES :**

1. e-yantra Robotics competition (2017-18),(2018-19).
2. JED-I project to build a Fruit plucking Robot using Arduino.