

# Tharun N

Portfolio: <http://tharun.tech/>

Github: <https://github.com/teslalord/>

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## EXPERIENCE

### Python Developer Intern | Pianalytix

December 2020 - January 2020

One month python developer intern at pianalytix, where I worked and taught on 8 different projects covering python, tkinter, django, image processing etc...

### Internet of Things Intern | Pinesphere

February 2021 - March 2021

Worked on an embedded systems product - "Automatic Floor Sanitizer Robot" aimed to be used at public buildings.

**Freelancing** - 7 projects related to web scraping, sw automation, web designing and python tutoring

## EDUCATION

### Government College of Technology, Coimbatore — B.E. Electronics and Communication Engineering – CGPA: 8.7

August 2017 - April 2021

### St. Joseph's Mat. Hr. Sec. School, Hosur — HSC – Percentage: 96.16%

Year of Completion -- 2017

### St. Joseph's Mat. Hr. Sec. School, Hosur — SSLC – Percentage: 95.20%

Year of Completion -- 2015

## CERTIFICATIONS

### Coursera:

- ❑ Database Management Essentials
- ❑ Python Introduction
- ❑ Python Data Structures
- ❑ Python to access web data
- ❑ Internet of Things & Embedded Systems
- ❑ Arduino Programming & C Program

## SKILLS

- ❑ **Languages:** Python, Javascript, Java, C++, Bash, Sqlite, PostgreSQL, Assembly Language, Matlab (Descending order)
- ❑ **Web:** Html, Css, Javascript, Django, React, Node.js
- ❑ **Python:** Data Science, Data Visualization, Machine Learning, Internet of Things, Tkinter, Web-scraping
- ❑ **Micro-processors/controllers:** Raspberrypi, Arduino, ESP8266, BeagleBone, 8086, 8051
- ❑ **Others:** Databases, Linux, Git, Docker, AWS, Photoshop

## ACCOMPLISHMENTS

- ❑ **PROJECT:** 2nd Prize in Caterpillar's Robotics competition, First Tech Challenge, 2019
- ❑ **PROJECT:** 3rd Prize on, 'Autonomous Car using Traffic Sign Classifier', at COMPCOM – 2020 – Inter-college Competition, in Government College Of Engineering
- ❑ **PROJECT:** Transaction application using Tkinter and sqlite (Unofficial)
- ❑ **WEB PROJECTS (Unofficial):** News Portal, Mini-Learning Management System, Student Dashboard, Group Chat Application, Productivity Tracker, Interactive Algorithms
- ❑ **Embedded/IoT PROJECTS:** Automatic Floor Sanitizer Robot (Official), Remote Controlled Lawn Mower
- ❑ **PAPER PRESENTATION:** Won 2nd Prize on Topic, 'Artificial Intelligence in Prosthetics' at Ramakrishna College of Engineering – at inter-college Symposium.
- ❑ **PAPER PRESENTATION:** Won 1st Prize on Topic, 'Differentiable Digital Signal Processing', at TECHTALK 20, Government College Of Technology.
- ❑ **PAPER PRESENTATION:** Won 1st Prize on Topic, 'Tongue Print Scanner for Advanced Security' at TECHTALK 19, Government College Of Technology.
- ❑ Created **attendance management script** for my class during online classes, which reduced around 15 minutes of attendance time per class
- ❑ Completed **200+ problems** on leetcode and hackerrank combined, covering major aspects of **data structure and algorithms**.
- ❑ Attended Embedded systems workshop at NIT, Trichy

## HOBBIES/EXTRA CURRICULARS

- ❑ Chess ( Chess.com rating 1500 - Unofficial )
- ❑ Touch Typing ( Average 80 WPM )
- ❑ Reading Books
- ❑ Problem Solving
- ❑ Guitar, Violin (Basic level)
- ❑ Juggling 3 balls