

VARSHA LAKSHMI THIRUMALAI

Palm 309, SJR Park Vista, Harlur Road,
Bangalore, India 560 102 
+91 9035967546 
vthiru300@gmail.com 
LinkedIn Profile 
Portfolio Website 



OBJECTIVE

Interested in embedded systems, networking, the internet of things and artificial intelligence (AI), I wish to make technological driven products available to all sections of society.



EDUCATION

Bachelors of Engineering in Electronics and Communication |
Pes University South Campus (Affiliated to Visvesvaraya Technological University)

AUG 2015 – JULY 2019

CGPA:7.52/10(~3.02/4)

11th and 12 Grade | Jain College Jayanagar

JUNE 2013 – MAY 2015

90.33%

School | St Francis School

JUNE 2013 – MAY 2015

82.33%



EXPERIENCE

Project Engineer | Wipro Technologies

AUGUST 2019 – PRESENT

- Project Related Training-Automation- Integration Testing and Unit Testing on the Car Infotainment System, python scripting using OOPs concept. Worked on Script development, bug fixing, API development using python and C. Worked in the lab to schedule test runs and perform Regression Testing. Hands on experience building test Automation for the Comfort and Control Module and Navigation Module of the Infotainment system.
- The Project enabled me to develop deeper understanding of automotive industry and gain insights on the broader disciplines in this domain. Developed lean and agile methodology skills working on this project.

Intern | Acceleron Labs

JAN 2019 – MARCH 2019

Created an application that calculated power consumption, CPU memory usage, and internal performance of the product using Apache Spark and set up an Environment in the lab for Distributed Computation.

Link

Intern | Ezenith Pvt Ltd

JAN 2018

Built a drone for area surveillance application. Flight time of 15 minutes and the drone covered a large area of the neighborhood. [Link 1](#) [Link 2](#)



SKILLS

- Coding in C, python and Java
- Microcontroller Experience: 8086, LPC1768
Arm Cortex M3 Arduino, Raspberry Pi.
- UAV Systems, Kinematics, Autopilot mechanisms, Calibration Parameters
- Softwares: Matlab, Processing, Vivado Xilinx,
- Task Prioritization
- Languages: English, Telugu, Hindi



PROJECTS AND CERTIFICATIONS

- Certified for the Deep Neural networks and specialization course by Andrew Ng(2018)
- 3D printing workshop conducted by IEEE PESIT(2018)
Learnt the technology behind 3D printing and the operation of 3D printer. Designed keychains and accessories.
- Final Year Project-“ VEND –TECH”: Vending Machine(2019)

[Codes and Pictures Link](#)

[Mechanical mux design Link](#)

A vending machine that vends out snacks and electronic components used for building small circuits with an IOT based cash transaction mechanism. We used the Arm Cortex Microcontroller and embedded C to code the machine. We also tried to mimic the RFID card transaction system. We also designed a cost effective structure of the vending machine called the mechanical multiplexer that consumes less power.



ACHIEVEMENTS AND LEADERSHIP ROLES

- Mentor for the intercollegiate fest “Kludge2k18” conducted at Pes University
- Team leader for the Drone internship
- Won 9th Place world wide and 1st in Asia in WidsDatathon(Women in Data Science Datathon). [Link](#)

The challenge was to create a model that predicts the presence of oil palm plantations in satellite imagery. The WiDS Datathon 2019 is a collaboration led by the Global WiDS team at Stanford, the [West Big Data Innovation Hub](#), and the [WiDS Datathon Committee](#).



HOBBIES

- Still life Drawing, Water Color Painting, Oil Painting, Fabric Painting. Currently pursuing a Diploma course in Fine arts (Check out the website to see my art works).
- Mountain Trekking and Photography.