



# Sathiyarayanan Palani

Senior Engineer ( Software / Automation Development )

## About Me

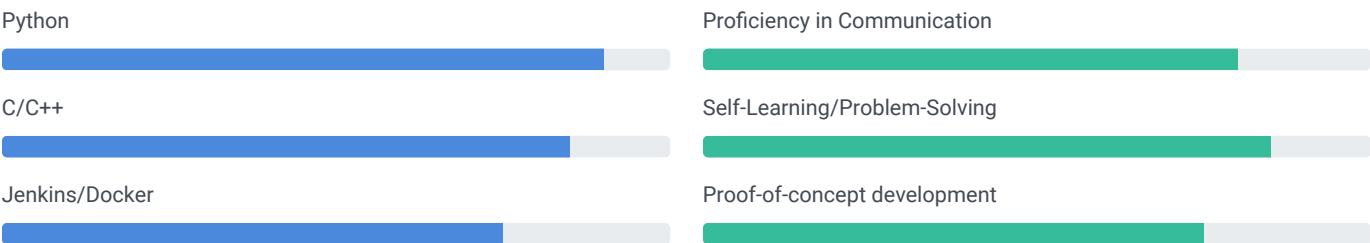
Hello!  
I'm Sathiyarayanan Palani.

I am a senior Python Developer with Intermediate knowledge in C & C++.

I've worked as SDET & DevOps Engineer for development of embedded software Applications.

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## Professional Skills



## Skills

Category	Technologies
Programming Languages:	C, C++, Python, Shell & Batch basics
Operating System:	Linux, windows
Communication Protocols:	UART, I2C, SPI
Networking Protocols:	TCP/IP, UDP, HTTP, MQTT, SQL
Source Code Management:	git   Git,    Github
Tools and Libraries:	Gtest, FFF, Jenkins, Git, MySQL, OpenCV, Tkinter, paramiko, SCP, pandas, ASTREE, lark – parser, matplotlib, numpy
Web Technologies:	Node.js, react.js mui basics
DevOps:	Jenkins, Docker, kubernetes basics
PyPI	LogExan,  ScEqAn,  IdaiKuri,  ThodarKuri
<a href="https://pypi.org/">https://pypi.org/</a>	

## Work Experience ( 4.5+ years )

### Test Automation Engineer at MBRDI, Bangalore (as External)

May, 2021 - Dec, 2021

- Responsible for writing test scripts for automated validation of measurement in python.

### Process Automation Engineer at MBRDI, Bangalore (as External)

Jan, 2020 - Apr, 2021

- Responsible for development of Custom framework and reusable components in python for automated test case generation using pandas data frames.
- Responsible for Automation of test case generation using Custom Python framework and Bash.
- Responsible for HiL process Automation via SSH using python Libraries like paramiko and SCP.

### Software Validation Engineer at MBRDI, Bangalore (as External)

Apr, 2019 - Dec, 2019

- Responsible for unit testing, L2 testing using Google test framework.
- Responsible for Runtime dynamic analysis of c using ASTREE.

### Python Developer at SAFRAN, Bangalore (as External)

Oct, 2018 - Mar, 2019

- Responsible for Multi-Display Broadcast over local Network using TCP/IP.
- Responsible for Data Visualization of sensor plots in Aerospace Applications using python & plotly (3d scalar plots).
- Responsible for visualization of volumetric data in the form of normal distribution for the development of algorithm on event classification.

### Embedded Software Developer at iElektron Technologies, Chennai

Jul, 2017 - Sep, 2018

- Responsible for Embedded Software unit and functional Testing.
- Responsible for Embedded Software Development of iElektron Security Products.
- Development of multi-branch CI/CD pipeline in Jenkins for Unit Testing with github app integration for events and mail, slack integration for notifications.
- Responsible for development of semi-automated hardware testing platform for Renesas Microcontrollers using Iron-python Renesas APIs

# Education

## **BE – Electrical and Electronics Engineering** from Anand Institute of Higher Technology, chennai (affiliated to Anna University)

2013 - 2017

- Graduated with a first class in Electrical and Electronics Engineering.
- Final Year project done using OpenCV and Raspberry Pi for Automatic Attendance System using Face Recognition.

## **HSC** from ARLM Matric Higher Secondary School, Cuddalore

2012 - 2013

- Completed with 85%

## **SSLC** from SRV Matric Higher Secondary School, Trichy

2010 - 2011

- Completed with 85%