Jayachandran V

+91-7010247279

**Jayachandranvenkat@gmail.com**

Chennai, TamiLnadu

# **Objective**

Computer Science graduate with hands-on experience in C, Embedded C and Python, seeking a challenging position where I can contribute to developing innovative software solutions and gain expertise in Automation Testing and development.

# **Skills & Abilities**

* Python, HTML, CSS, Python, JSON, XML, MySQL, C, Embedded C & Data Structures.
* IOT PrOTOCOLS: MQTT & HTTP
* Version Control: Git Repository
* Automation Server: Jenkins
* Browser Automation: Selenium, Robot

# **Professional Experience**

## Oct. 2023 - April 2024 Senior Engineer, Chennai

### Axiscades Technologies (P) Ltd.,

Automotive Innovation Firmware Projects Code Development based on Embedded C using Microcontroller.

## Feb. 2023 - June 2023 Embedded Trainer, Bangalore

### Smart Brains Engineers & Technologies (P) Ltd.,

Train Fresher Candidates STM32 Microcontroller for Client HCL

## July 2022 - Dec. 2022 Software Engineer, Chennai

### Niyata Infotech (P) Ltd.,

Developing Embedded C code for Automotive Projects

## June 2021 - June 2022 System Engineer, Chennai

### Connected Digital Systems (P) Ltd.,

Developing Python & Embedded code for Firmware Projects

## Aug. 2011 - Aug. 2013 Embedded Programmer, Chennai

### Spiro Solutions (P) Ltd.,

Developing Embedded C code for Firmware & Device Driver Projects.

## Sep. 2009 - Mar. 2011 Process Associate, Chennai

### Macmillan E-Publishing (P) Ltd.,

Editing process for Science Books Edition

# **Projects**

**Capstone Orange HRM**

Automation testing for Webpage based on Python Selenium

My Role: To develop Python Code to test Orange HRM webpage using Selenium and generate Test case Report.

**Python Developer/Tester**

Automation testing for Webpage based on Python Selenium

My Role: To develop Python Code to test HK Technologies company Webpage using Selenium and generate Test case Report.

**IOT Based Environment Monitoring System:**

The Industrial Environment Monitoring system is implemented to avoid Fire accidents and to maintain Humidity. The environment status also maintained and monitored using the concerned Sensors. GPS used to track the location. The Device is connected wireless through Wifi network. The status will be updated frequently in Company IOT Server using MQTT protocol.

My Role: To Develop Hardware and Python script code development, Debugging & Testing.

**Climate Control Module:**

Automotive Reverse Engineering Project developed with 16-bit Pic Microcontroller

My Role: Embedded Software code development for EEPROM (I2C) and Motor Driver using SPI protocols.

**Solar Tracking System:**

Consumer Project developed using (8-bit Microchip) Pic Microcontroller

My Role: Embedded Software code development to Rotate Solar Panel fixed in Stepper Motor mechanism based on Real Time Clock, Board Bring up Hardware Development.

# **Education**

## June 2009 Master of Science in Information Technology (M.Sc., IT)

### University of Madras, Chennai

Aggregated with 65%

## May 2007 Bachelor of Science in Electronics Science (B.Sc., ES)

### Mohamed Sathak College of Arts & Science, Chennai

Aggregated with 58%

# **Leadership**

Ability to manage multiple projects simultaneously and meet tight deadlines, while maintaining the highest standards of quality.