

**CAREER OBJECTIVE:**

I intend to utilize my skills for the betterment of projects to attain the best performance in terms of quality. My vision is to stand independently atop my own company, that of which I developed out of my personal hard work. To pursue my goals, I am willing to work hard day and night with the knowledge I have. I believe that my strong passion and dedication will help to accomplish anything I set my mind to.

**HIGHLIGHTS:**

* Sound knowledge in Atmel Microcontrollers (ATMega2560, ATMega8/32/328) and microprocessors
* Working experience on different sensors and interfacing.
* Good knowledge on Linux environment
* Experience in Robotics
* Experience in working on I2C, SPI, UART protocols
* Sound knowledge in PCB Designing and fabrication
* Hands on experience on 3D modelling and 3D printing,

**TECHNICAL SKILLS:**

* **Languages :** Python, C, C++, Embedded C
* **Softwares :** MS Office, Adobe Photoshop
* **Microcontrollers :** Atmel Microcontrollers (ATMega8/16/32/328/2560)
* **Protocols :** I2C, SPI, UART
* **Utilities :** GDB, Arduino IDE, Processing, Eclipse, MIT App Inventor, AVR Studio
* **Operating Systems :** Windows NT Family, Linux Distributions (Ubuntu, Raspbian)

**WORK EXPERIENCE**

**Votary Softech Solutions Pvt Ltd. - (Embedded Software Engineer)**

December 2018 – Till Date

My responsibilities include leading a team in building Robots & programming them, building Smart IoT products, and dealing clients and giving them insights about the products.

**Technical Skills Used:**

C, Embedded C, GDB

**H-Bots Robotics Pvt Ltd. - (Technical Relations Manager)**

April 2017 – December 2018

My responsibilities include leading a team in building Robots & programming them, building Smart IoT products, and dealing clients and giving them insights about the products.

**Technical Skills Used:**

Python, C, Embedded C, C++, PCB Designing & Fabrication, 3D Printing, Robotics

**Collab House Business Solutions - (Developer & Trainer)**

November 2016 – April 2017

Was involved in developing prototypes and delivering lectures on IoT and Embedded systems to engineering students.

**Technical Skills Used:**

C, Embedded C, C++, 3D Printing, IoT Platforms (Thingspeak, Cayenne), Smart Automation.

**PROJECTS**

**Tuning of storage devices:**

The project was to build a method to optimise the performance of the storage devices. As part of the project, I was involved in building code for conversion of file systems.

**MSM8909/8905:**

Was responsible in building the source code for the 8909/8905 and to flash the same to the 8909 based LYF mobile using QFIL tool.

**Smart Policing Robot:**

Led a team in building India’s first smart policing robot. Designed a custom control board and was responsible for programming the robot. Python was used for programming the robot.

**C-Labs for Deloitte:**

Was a key member in developing a Client collaboration room in Deloitte, Hyderabad which featured emerging technologies involving robots, wearable techs, IoT products, etc.

**Smart Badge:**

Solely developed a prototype of smart badge which can be used by people to display their name, etc. (waiters, air hostess), the display content can be dynamically updated through an app or web. C++ used for programming the device and the app was developed in MIT App Inventor.

**EDUCATION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree/ School** | **Name of the Institute** | **Year of Passing** | **Percentage** |
| Embedded Systems Training | Vector Institute | - | - |
| B.Tech (ECE) | Indur Institute of Engineering & Technology | 2016 | 69 |
| Intermediate (MPC) | Vijwala Junior College | 2012 | 83.9 |
| SSC | Vidya Vardhini High School | 2010 | 90.3 |

**ACCOMPLISHMENTS**

* Got promoted to TRM from Research Associate in a span of 8 months.
* Received the Best Employee ‘17 award at H-Bots.
* Delivered session on Robotics at Deloitte Analytics Summit ’18 held in Bangalore, New Delhi & Hyderabad
* Represented H-Bots at PwC Annual Rhapsody for the Robotics session.
* Hold a record for solving 3x3x3 Rubik’s Cube at college level (32 seconds).

**PERSONAL TRAITS:**

* Team Leader
* Perseverance
* Confident
* Trustworthy
* Well Rounded

**LANGUAGE PROFICIENCY:**

**English, Telugu, Malayalam, Hindi**

**PERSONAL DETAILS:**

**Father's Name :** Assariath George John

**Mother's Name :** Annamma John

**Date of Birth :** March 13, 1994

**Nationality :** Indian

**DECLARATION:**

I hereby confirm that the information furnished above is factual and correct to the best of my knowledge and belief.

**(TONCY GEORGE JOHN)**