SUVEG.V.IYER   EMAIL:suvegiyer@gmail.com

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PERSONAL INFORMATION:

Name   : Suveg.V.Iyer
Permanent Address: 2D, Meridian Symphony, North Fort Gate
                      Tripunithura, Ernakulam-682301
Date of birth   : 13th July 1991

EXPERIENCE:

Micro Degree – Mangaluru
        Mentor ,February 2020 - present

Epitas Software LLP – EPITAS ROBOTICS RESEARCH CENTRE, Mangaluru
        Lead Engineer – Innovation, January 2019 – January 2020
        Robotics Engineer, November 2017-December 2018.

EDUCATIONAL QUALIFICATION:

- Master of Technology in **Industrial Automation and Robotics** from Malnad College of Engineering, VTU with aggregate of 82.46% (University 1st rank, Gold Medalist).(Year of Passing -2016)
- Bachelor of Engineering in **Mechatronics Engineering** from Maharaja Engineering College, Anna University with CGPA of 8.60. (Year of Passing -2013)
- Higher secondary from GRT Mahalakshmi Vidyalaya, Chennai with an aggregate of 82%.(Year of Passing -2009)
- High school from Sri Sankara Vidyalaya, Pondicherry with an aggregate of 85%.(Year of Passing -2007)

OTHER QUALIFICATION:

- **Advance Training in Industrial Process Automation** from AGIIT, Coimbatore (December 2012-May 2013)
  (PLC: Siemens, Schneider, ABB, AB, OMRON, DELTA, Keyence)
  (SCADA: GE fanuc-ifix32, Invensys-wonderwareIntouch)
  (VFD-ABB), (HMI-DELTA), (DCS-ABB),
  (Panasonic servo systems, ABB robot, hydraulic and pneumatic field instruments)

- **Diploma in Product Design and Analysis** from CADD Centre , Avinashi (February 2012-August 2012)

MEMBERSHIP:

- Associate Member of Institute of Engineers (AMIE). – AM166978-0

LANGUAGES KNOWN:

- English, Hindi, Malayalam,Tamil,Kannada,Sanskrit

PROFICIENCY:

- Design and Analysis
  - AutoCAD
  - PRO E (3D modelling and dynamics)
  - ANSYS
  - Photoshop
  - Mobile Application mock-up design

- Programming
  - C
  - C++
  - Arduino
  - Python(Raspberry Pi)
  - HTML
  - CSS
  - Wordpress
  - Basics of PHP and Android

- PLC programming (RSLogix 500, RSLogix 5000)
- SCADA (Factory Talk View Studio, Schneider IGSS)
- HMI screen development (CCWD)
- Machine Learning – R Programming, BigData with Hadoop
- RPA - UiPATH

PROJECTS:

EPITAS R&D CENTRE:

1. SPECULO - IOT and AI based smart mirror

   Role: Design and develop the product to a final marketable product.
        Develop unit features as per requirement in NodeJS.
        Wordpress Website developer for www.speculomirror.com
         Develop functional requirement and structure of mobile applicatio
   Achievements: Best Exhibitor Award in Bengaluru Tech Summit 2018

2. **Cashless Vending Machine** –Automating the vending process and designing a machine capable of dispensing the product without any cash transactions.

Role: Design and development of the physical unit of vending machine. (Including dynamics)
Write code for its functioning.

3. **INFRAGO** - IOT based voice controlled universal remote

Role: Design and develop the product to a final marketable product.
Develop unit features as per requirement and integrate with Amazon Echo Dot

Achievements: Commendable Performance Appreciation from CII Bangalore 2018

4. **ResourceOnTime.in** – HR recruitment tool

Role: Admin control of the entire tool
Website maintenance in PHP

5. **Smart Container** – IOT container that notifies the user based on the quantity of the content.

Role: Design and develop the product to a final marketable product.
Write code for its functioning and integrate it with Android Application

6. **TINDAV childcare** – Matching sitter and parent through the mobile application

Role: Wordpress Website developer for www.tindav.com
Mobile application tester.

7. **Doctor Assist** – Machine learning tool which acts as a virtual doctor.

Role: Wordpress Website developer.
Design and develop a virtual doctor based on artificial intelligence
Achievements: Certificate for the good performance in the project from the client.

8. **CHDEfforts** – Website development for disaster management

Role: : Wordpress Website developer for www.chdefforts.org

Role as Mentor

- Trained engineering college students about Automation and Machine Learning.
- Plan, guide and execute student project
- Conducted workshop for more than 150 students across colleges in Karnataka

COLLEGE LEVEL:

- Automation of Mega Lift Pumping Station at Autosys Engineering Pvt.Ltd, Chennai. (Design for HMI, SCADA and PLC Programming)
- Automation of Mechanical Stranding Machine at VBE projects, Mumbai
  (Replacement of human labour by automated systems in stranding mechanism of wires)
- Control of Rovers Using Mobile Phone DTMF signal.
  (Controlling rovers by number keys from mobile phone thus replacing IR system used)

TRAINING AND WORKSHOP:

- Workshop on Big Data in NITK,Surathkal (October 2018)
- Internship Training at Autosys Engineering, Chennai (Four Months- July to November 2015)
- Rockwell Automation Company Training on Process Control
- ABB robotic training in AGIIT, Chennai.
- ARDUINO training in credence robotics, Bangalore.
- PLC programming in KCET, Coimbatore.
- Hydraulics and Pneumatics, PLC interfacing training at Bosch Rexroth Centre, MCE

PUBLICATIONS:

- Biomedical Robotics at ICIAS 2015 International conference
- Process Control of an Automated Lift Pumping Station, International Conference on Trends in Technology and Engineering, 3rd Edition, April 2016, Pg. 21.
- Study and Implementation of PLC and SCADA System for Lift Pumping Station Process Control, National Conference on Emerging Trends in Mechanical Engineering, April 2016, Pg. 6.
- Design And Programming of an Integrated Automation of Lift Irrigation Pumping Station, i-manager Journal on Instrumentation and Control (JIC).
- Process control of an Automated Lift Pumping Station, International Journal For Trends In Engineering And Technology, ISSN 2349-9303, Vol.13, Issue 01, May 2016.
- Study and Implementation of PLC and SCADA System for Lift Pumping Station Process Control, International Journal of Engineering (IEAE), Special issue.
- Study and Implementation of PLC and SCADA System for Lift Pumping Station Process Control, Institute for Studies on Recent Advances in Science & Engineering (ISRASE).