

Susheel Sriram Ananthan

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EDUCATION

National Institute of Technology, Tiruchirappalli, Tamil Nadu, India

Bachelors of Technology in Instrumentation and Control Engineering Engineering

July. 2017 – Apr. 2021

CGPA: 7.4/10.0

Birla Public School, Doha, Doha, Qatar

Class XII

Apr. 2016 – Mar. 2017

Percentage: 86.0%

Birla Public School, Doha, Doha, Qatar

Class X

Apr. 2014 – Mar. 2015

CGPA: 9.0/10.0

INTERNSHIP EXPERIENCE

TEAL Hosur, Tamil Nadu, India

Automation Internship Trainee

Dec. 2019 – Jan. 2020

- The internship involved comprehending various procedures involved in Turnkey assembly.
- Designed control panel wiring diagrams with the help of guide and assisted employees when requested.

CSIR- Central Scientific Instruments Organization Chennai, Tamil Nadu, India

In-Plant Trainee

Jan,2. 2020 – Jan,7. 2020

- The training involved comprehending the ongoing research projects at CSIR-CSIO madras complex, Circuit design and Printed Circuit Board designing using Proteus 8 software and hands-on soldering sessions on through-hole and SMT PCB.
- Discussions and presentations on basics of Electronic components, Nanotechnology and its applications, Energy Management systems (EMS), Building Automation, Real time motor efficiency monitoring device, pump efficiency monitoring, motor stethoscope and Calibration.

PROJECTS

Mask Detection based Access Terminal

Guide: Personal Project

May. 2020 – June. 2020

- Designed a touch free access terminal, which provides access to the user based on mask detection.
- Trained the model using TensorFlow with MobileNetV2 deep neural network architecture to predict if the face landmarks in Region of Interest (ROI) is 'Mask' or 'No Mask' in real-time.
- Transmitted the classifier output using PySerial library which transmits the classifier output computed to Arduino IDE, to perform desired control action(open/close) on the terminal using Arduino micro-controller.

Smart Irrigation

Guide: Dr. M. Baskar, NIT Tiruchirappalli

Jan. 2020 – April. 2020

- Built cloud based smart irrigation system where the micro-controller actuates desired control action on the water pump based on moisture content sensed by the capacitive soil moisture sensor.
- The flow of information between the micro-controller and the cloud is by stable network (Wi-Fi).
- The project also incorporates Human Machine Interface (HMI) to monitor and visualize data, together with an option of automatic mode and manual mode of operation.

PROFESSIONAL DEVELOPMENT

Automation System Engineer Training

IPCS Chennai, Tamil Nadu, India

May. 2019 – July. 2019

- Underwent 180 hours Automation System Engineer training in the field of Industrial Automation.
- Seven major theoretical and practical sessions imparted were Programmable Logic Controllers (PLC), Supervisory Control and Data Acquisition (SCADA), Human Machine Interface (HMI), Control panel wiring, Variable Frequency Drive (VFD) and Field Instrumentation.

SKILLS & OTHERS

Software Tools: Excel, MATLAB, RS Logix 500, Wonderware Intouch

Programming: Excellent in C. Proficient in Python and SQL.

Certifications: Automation System Engineer by TÜV Rheinland

Interests: Strategy Games, Music, Adventure Sports

Positions of responsibility:

- Quality Assurance Coordinator, Pragyan (Annual Techno-managerial fest of NITT), 2018-19
- Marketing Manager, Sensors (Department symposium at NITT), 2018-19
- Quality Management Coordinator, Festember (Annual Cultural fest of NITT), 2017-18
- Music and Sound Director, Film Society (Film making club of NITT), 2017-19