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: 7.38/10.0

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

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 my guide and assisted employees when requested.

TNPL Karur, *Tamil Nadu, India*
In-Plant Trainee *May. 2015 – Mar. 2018*

- The training involved comprehending various stages and technology involved in production of paper from processing wood chips or bagasse to Stock preparation, production of paper of desired GSM from stock using Paper Machines, production of White Liquor
- Visit to thermal power plant with a total production capacity of 80MW.

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