**SHADEEDHA**



Instrumentation & Control Engineer

shadeedha.383592@2freemail.com

**SUMMARY**

An enthusiastic and hardworking instrumentation & control engineer with proven academic track record in instrumentation and automation systems with excellent communication and time management skills seeking a suitable position in Automation, Electrical and Oil & Energy field to contribute to growth of organization.

**EDUCATION**

* Master of Technology in **Electrical & Electronics Engineering**, Specialized in **Industrial** **Instrumentation and Control** from TKM College of Engineering–4thrank CGPA-8.8**,** India, 2014.
* Bachelor of Technology in **Instrumentation and Control Engineering** from Cochin University of Science and Technology, India, 2012.

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| **AREAS OF EXPERTISE** |  |  |
|  |  |  |  |
|  | Advanced Process Control |  | P&ID Diagrams |
|  | Transducers& Measurements |  | Labview |
|  | **AutoCAD** Electrical |  | Industrial Automation |
|  Controller Design & Tuning |  | Control Valve Design |
|  | Communication Protocol |  | **PLC, DCS** |
|  | Analytical Instrumentation |  | Adaptive Controller |
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| **CORE QUALIFICATIONS** |  |  |
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|  ISA Standards and International codes |  | Team player |
|  | Excellent Time management |  | Presentation skills |
|  | MS Office Proficient |  | PC expert |
|  Excellent Oral & written communication |  Problem solving and critical thinking |

**PROFESSIONAL EXPERIENCE**

**Kerala Electricals & Allied Ltd, India, August 2013**.

**Intern**

* Training on inductor type brushless alternator for train lighting and air-conditioning which included study of fabrication, winding and assembling of General Purpose Diesel Generator sets and study of testing of alternators-high voltage, insulation, and temperature test.

**Indian Rare Earths Limited, India, July 2013.**

**Intern**

* Training on production processes-dredge and wet upgradation plant, heavy upgradation plant, mineral separation plant which included study of processing and separating of beach sand to produce ilmenite, zircon and Sillimanite.

**Duropet Industries, India, June 2013.**

**Intern**

* Training on state of art machineries for manufacturing PET bottles which included study of blow, injection and extrusion blow molding and study of multistage quality control.

**Tata Steel Processing and Distribution Limited India, May 2013.**

**Intern**

* Study of steel processing techniques-oiling, pickling, cut to length, rebar processing and study of modern electrical machineries for accurate processing of steel.

**Bharat Petroleum Corporation Limited, Cochin Refinery India, May 2011.**

**Intern**

* Trained by process engineers on the principle of safe process engineering.
* Study of processing of crude oil by fractionating in distillation column and study of gas turbines with a rated capacity of 22.0 MW and 34.0 MW.
* Familiarized with writing technical reports.

**ACADEMIC PROJECTS**

* LabVIEW based Modeling and Fractional Order Adaptive Control of Distillation Column in a Petroleum Process, 2014
* LabVIEW based study of heart rate monitoring system, 2013.
* Ammonium Handling and Barge Loading using Programmable Logic Controllers, 2012.
* Hardware Implementation of Smart Street Light System, 2011.

**PUBLICATION & CERTIFICATON**

* LabVIEW based Modeling and Fractional Adaptive Control of Distillation column in a Petroleum process, **International Conference on Emerging Trends in Electrical Engineering, Elsevier** **2014.**
* Certified in AutoCAD Electrical, Cadd Centre, Dubai, 2018

**ACHIEVEMENTS**

* Received Scholarship from Central Bureau of Secondary education under CSSS scheme for great academic excellence.
* Received Scholarship from Directorate of Technical education for qualifying GATE 2012.
* Leadership roles in conducting cultural and educational programs as Secretary of hostel.

**PERSONAL DETAILS**

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|  | Date of Birth | : 29 September 1990 |
|  | Nationality | : Indian |
|  | Visa Status | : Spouse Visa |
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