**Curriculum Vitae**



Shekhar Bahuguna

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**Career Objectives:**

My objective is to utilize my knowledge and skills to handle all the carrier opportunities as electrical and electronics engineer.



**Educational Qualification:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **Subjects** | **Board/University** | **Year of Completion** | **SPI/Percentage** |
| ME | Electrical and electronics | Riga Technical University, Latvia, Europe | 2018 | 6.1 |
| BE | Electronics and Telecommunication | Gujarat Technological University, Gujarat | 2016 | 6.44 |
| SSC | PCM | Gujarat Board | 2011 | 62.76% (55.26 Percentile) |
| HSC | PCM | Gujarat Board | 2009 | 74% |



**Experience:**

* Currently working as Technical Executive at Shreenathji Enterprise. Joined: 6th may 2019

My responsibility is to assist the development of led drivers. I am also responsible for testing of the driver performance in the photometry lab. I also have knowledge about industrial led light production conducted at the company, and sometimes I am responsible for QC as well.

* Junior Technical Support Engineer From: 1st june 2015 to: 15th sept 2016

Worked as technical support engineer in IT support and networking at Blue Line Computers, Ankleshwar, Gujarat, India.



**Skills Set:**

* Control System designing.
* Quality Analysis
* Strong familiarity with power electronic circuits, control systems digital electronics.
* Power electronics trouble shooting.
* Machine learning, data science.
* Orcad Pspice, Kicad, CircuitMaker, Matlab, PSim, Proteus, Python.
* Embedded systems, assembly C



**Technical Training:**

* Currently undertaking course for data science/machine learning. https://www.appliedaicourse.com/
* PLC, SCADA
* Networking: cisco routers and switches
* Windows server configuration, system engineer



**Achievements:**

* Stood 2nd in country level ROBO ZEST competition conducted by IIT Delh



**Academic Projects:**

1. **Master Thesis: Development of face recognition system for temperature monitoring device:**

I developed a face recognition system for a FLIR Lepton thermal camera using deep learning in my master thesis during ME. I learned Python as well as the use of open cv for the thesis. I managed to detect face but due to less information in the pictures, recognition of face was not possible.

1. **Design cf control systems:**

Designed the control systems for devices used in electrical field like motors using power electronics.

1. **Simulation of electrical processes:**

In this project we implemented electrical processes using power sim library in matlab. We implemented different types of motors in this project.

1. **Bachelor Project: Design of pick up and place robot.**

In this project I was responsible for the wiring as well as coding of a small robotic arm that was used as a pick up and place robot. The coding was done on beagle bone black development board.



Apart from my academics and experiences I am also interested in opportunities of data science/machine learning.



**Declaration:**

I solemnly declare that all of the above information is correct to the best of my knowledge and belief.