**HUMZA**

**Electrical Engineer**

[Humza.368792@2freemail.com](mailto:Humza.368792@2freemail.com)

**Career Summery**

**Electrical Engineer with Master’s Degree in Control Systems and one Year experience in electromechanical firm with internship in 1000 MW power plant intends to hold a responsible position in a professionally managed organization where I can apply my skills and enrich my knowledge.**

**SKILLS AND ABILITIES**

* Excellent communication and negotiation skills
* Adaptation to large, dynamic and multicultural organization’s working environment
* Ability to prepare electrical engineering documentations such as analysis, reports
* Problem analyzing, solving and decision-making
* Methodological approach to all tasks
* Good formal presentation skills
* Sound Knowledge of Feedback and Control Systems
* Self-starter and diligent knowledge of electrical field

**EDUCATIONAL BACKGROUND**

**Master’s in Electrical Engineering (Control Systems)**



(September 2014 – April 2017)

Air University Islamabad, Pakistan

CGPA 3.47/4

**Thesis Topic**

“Guidance of an Air to Air Missile using Sliding Mode Control.”

**1**

**Bachelor’s in Electrical Engineering**

(September 2010 – June 2014)

University of Engineering and Technology Lahore, Pakistan

CGPA 2.72/4

**Final Year Project**



Designing of “Transient Voltage Surge Suppressor (TVSS)” by Transient Stability Analysis of Independent Power Producer (SEPCOL, Lahore)

**Intermediate (Pre Engineering)**

(September 2008 – June 2010)

Cadet College Kallar Kahar Chakwal, Pakistan

|  |  |
| --- | --- |
| Marks Obtained | 86.90% ( 956/1100) |

**Internship**



Mangla Hydel Power Station

(July 01, 2012 – August 1, 2012)

Subjects covered during training were;

* Power House/Generation Station Control
* Automation System Planning
* Protection System of Hydel Power Plant.
* Hydraulic Turbines and Generator.
* Understanding of Relay Coordination.
* Power transformer and auto transformer working and fucntionality.
* Governor and Generator excitation sytem.
* Auxiliary and Emergency supply system.
* Fire Protection system of power plant.
* Earthing and grounding schemes.
* 132/220 KV switchyard.
* Reading the master schematics diagram and single line diagram.
* Bus bar schemes.
* Harmonic and transient stability analysis of IPP.

**2**

**PROFESSIONAL EXPERIENCE**

**Supervisory Engineer at Azam & Sons Contractors and Builders pvt Ltd.**

(Dec, 2015 – Nov, 2016)

**NICON Group of Colleges Rawalpindi (Lecturer)**



(Oct, 2016 – March, 2017)

Electrical and Electronics Course

Offered By:

(Punjab Skill Development Fund and City & Guilds Institute London)

**ACADEMIC PROJECTS**

* 3-Stage Amplifier.
* 4-Bit Binary Adder.
* LCD display using Microcontroller.
* Automatic Street lights using LDR.
* Automatic Mobile Control door lock using AVR Microcontroller.
* Light dimmer using Diac and Triac.
* Designing of Transient Voltage Surge Suppressor (TVSS) by transient stability analysis of independent power producer using ETAP.
* Guidance of an Air to Air Missile using Sliding Mode Control.

**APPLICATIONS:**

* **Language**:

English, Urdu, Punjabi

* **Computer Skills**:

MS Office, Microsoft Windows, Feeder analysis (FDR-ANA WAPDA) software, Power Point, Proteus, ETAP, MATLAB/Simulink.

* **Personal Interests**:

Newspaper Reading, Internet serving, Playing cricket and football

**Professional Certificates:**

* Supervision Certificate issued by Pakistan Engineering Council to Supervise Engineering work(s).

**3**