



SHEIKH INAM UL HAQ LIAQAT ALI

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DOB: 11/06/1996

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Education

HITEC University, Taxila.

Bachelor of Science (Electrical Engineering)

2018

Major Telecommunication and Electronics

Rawalpindi College of Commerce and Science, Rawalpindi

2014

F.Sc (Pre-Eng) [Physics, Chemistry, Mathematics]

Beaconhouse School System

2012

Matriculation (Sciences) [Physics, Chemistry, Computers, Mathematics]

Work Experience

Design Engineer at Four Engineers, Rawalpindi

July 2019 – Present

- Designed Single sided, Double sided and Complex Multi-layered PCBs as per Industry Standard Techniques using Altium Designer.
- Compiled Schematic sheets, BOM Files, CAD library database including Schematic symbols, Part parameters and Footprints for SMD/DIP Components as per IPC standards.

Internee Engineer at Four Engineers, Rawalpindi

March 2019 – May 2019

- Learnt and Designed Complex Multi-layer PCB Projects using Altium Designer Software.

Internship at Attock Refinery Ltd, Rawalpindi

July 2017 – Sept 2017

- Visited and observed crude oil refining plants, power plants, boilers, electrical and instrumentation workshops and made reports about my daily learnings.

Internship at Heavy Electrical Complex, Hattar KPK

Aug 2016 – Sept 2016

- Observed manufacturing workshops of power distribution transformer and submitted reports about my daily learnings.

Projects

Final Year Project: Pizza Delivery Drone

This project consists of an autonomous unmanned air delivery vehicle which is capable of delivering a pizza to a specified location and also provides live video transmission. It flies automatically without a ground pilot and returns back to its take-off position after the delivery. A user friendly android application was also designed for users to order pizza.

Semester Projects

DC to DC Converter [Buck Converter]: Buck converter was designed and used in circuits where the DC output voltage needs to be lower than the DC input voltage.

LUX Meter: LUX Meter project was designed to measure the luminous flux falling on surface area of photo diode. .

Antenna Design: Implementation of an Antenna on HFSS Software.

Electronic Calculator: A fully functional scientific electronic calculator was designed using Arduino Mega 2560.

3-Input Microphone Mixer Circuit: A three input audio amplifier circuit was designed.

Skills & Tools

Technical
Tools

Altium Designer, Easy EDA, Proteus, HFSS Software, Arduino, C++
MS Office, Edx SignalPro, Matlab, Adobe Photoshop CC

Training/Certificates

Attended a seminar based on "Solar Energy" By Prof. Dr. Arshad Ali, Executive Director Higher Education Commission.

2018

Interests

Photography, Video games, Movies.