

RANA AQIB LATIF

Mechatronics & Control Engineer



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Education

University Of Engineering and Technology, Lahore

Lahore, Pakistan

Bachelor of Science in Mechatronics and Control Engineering (CGPA 3.62/4)

2014 – 2018

Punjab College, Sheikhupura

Sheikhupura, Pakistan

Faculty of Science in Pre-Engineering (926/1100)

2012 – 2014

Experience

Bulleh Shah Packaging Limited –Intern

July, 2017-Aug, 2017

Leading the market of corrugated packaging together with being the largest Renewable Packaging facility and the only Liquid Packaging Board providing facility

- worked as an intern in *Corrugated Packaging Plant*
- Completed project on *5S implementation of Control room*

Atlas Honda Limited –Intern

June, 2016-July, 2016

A pioneer company in production of motorcycles all over the country

- worked as an intern in *Engine plant*
- Completed project on *Auto Cleaning of Broach*

Academic Activities

Projects:

Virtual Clothing Display –Final Year Project

Implementation of Augmented Reality to allow users try on clothes in real time without actually wearing

- Interactive features and gesture control
- Large database for male and female category

PLC Based Automatic Carwash System

Implementation of ladder logic using PLC SLC 500 to automate a car wash system which saves energy by switching the required compartments

Smart Cane for Blind People

Use of sensors to help the blind by detection of obstacles, moisture and locating their cane when misplaced through use of RF modules

Inverter (15V DC-AC)

DC-AC Inverter using transistors and mosfets to obtain an identical sine wave with 5-60Hz variable frequency and efficiency of 70%

Textile Silicone Hybrid Sensor

A soft robot model used for doing hysteresis analysis of human walk which can help in research studies

RC car Controlled through smart phone

Conventional RC car modified to be controlled through smart phone with live obstacle feed on screen

Technical Skills

Electrical	➤ Proteus	➤ Arduino IDE	
mechanical	➤ SolidWorks	➤ AutoCAD	➤ Blender
Programming	➤ PLC (Ladder Logic)	➤ Processing, C++	➤ MatLAB

Co-Curricular

- Award for **3rd position** in **Final Year Project**
- Certified **TRIZ Level-1** Practitioner
- Runner up in **INVERTER DESIGN PROJECT** by Mechatronics faculty in UET Lahore
- Organized **ROBOTECH'17** by Mechatronics Club in UET Lahore
- Organized **Speed Soldering** in ROBOCOM '16
- Presented UET at **Lahore Chamber of Commerce**

Extra-Curricular

Societies	Mechatronics Club(director HR & Finance), Skpians' Frame(induction Head),IET
Skill Set	Creative thinking, leadership skills, documentation, problem solving
Hobbies	Current affairs, cricket, badminton, social work, movies