

Aqeel Arshad

S/O Arshad Rehman Awan

Nationality: Pakistani • Date of birth: Jan 26, 1996

Contact

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Profile:

Objective: To utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing the projects. Aiming to use my knowledge of engineering, designing and product development to achieve a successful carrier in my life.

Experience:

4-June-2018 to 15-June-2018

Pakistan Aeronautical Complex (AMF), Kamra

Education:

2014 to 2018	BE Mechatronics Air University, Islamabad	(CGPA: 3.81/4)
2012 to 2014	F.Sc (Pre-Engineering) Islamabad Model College for Boys F-7/3, Islamabad	(Marks: 856/1100)
2010 to 2012	Matriculation (Science) Islamabad Model School for Boys G-6/4, Islamabad	(Marks: 942/1050)

Computer skills:

- ✓ Microsoft Office
- ✓ Programming in C++
- ✓ Object Oriented Programming in C++
- ✓ SolidWorks
- ✓ Proteus
- ✓ Workbench
- ✓ Eclipse
- ✓ LAB-VOLT Simulations (EMS)
- ✓ MPLAB (Pic Microcontroller, Programming)
- ✓ Arduino (Arduino Microcontroller, Programming)
- ✓ MATLAB
- ✓ Quartus (FPGA Programming)
- ✓ PLC Programming (ATEK, Allen Bradley, Siemens)
- ✓ Simplif3D
- ✓ Cura

Semester Projects /Distinctions:

FYP Project: Design and Fabrication of Delta Configuration 3D Printer.

- Designed and Fabricated Delta Configuration 3D printer using open source marlin as firmware and Arduino Mega 2560 along with ramps 1.4 as a controller. 3D printer is capable of printing 3D object of any shape using PLA as filament with the maximum inaccuracy of 3%.

Kangourou Sans Frontieres, Pakistan Participant of International Kangourou Mathematics Contest	Workshop Practices, Have a Sound Practice on various Workshop Machines like Lathe, Mill, Drill Press, Welding, Shaper, Cutters.	Electronic Filters, Filter of various frequencies, voltages using basic electronic components (Analog Electronics Project)
Keypad interfacing and implementation of 32 Bit Multiplier, (Using CMOS ICs) (Digital Logic, Design's Project)	Basic Truss Bridge Model, (Simulations in Solidworks with scaled Model) (Material and Manufacturing Process's Project)	Hearing Aid Device, (Basically, Sound Amplifier, of variable limits using basic electronic components) (Electronics II Project)
Line Tracking Robot, (Line tracking, Obstacle Detecting/Avoiding, Color Sensing using PIC Microcontroller)	Temperature Maintenance, (controlling speed of fan on the basis of room temperature)	PS/2 Keyboard interfacing and implementation of Booth Multiplication algorithm, (Altera, Cyclone-II, V) (Embedded System's Project)
Step Down Transformer, (Stepped down 220V AC to 24V AC) (Electromechanical Systems Project)	Autonomous Robot, (Themed Robot for AirTech-2016) (Mechatronics System Design Project)	Autonomous Robot. (Themed Robot for NERC-2017) (Participated in NERC-2017)

Skills/Sports:

- ✓ Coding and programming in C++
- ✓ Robot Designing
- ✓ Researching
- ✓ Editing

Interpersonal Skills:

- Strong writing, presentation, communication and analytical skills
- Proficient in writing, reading, understanding and speaking of following languages
 - ✓ **Urdu** (mother tongue)
 - ✓ **English** (fluent)

References:

References can be provided upon request.