

Abdullah Farooq

Electrical Engineer



A skilled and knowledgeable electronics engineer with extensive knowledge of analog and digital devices, Computer Architecture, Industrial Automation, and machine learning. Highly capable leader, having led multiple senior class projects to completion and focused on exceeding corporate goals and continuous improvement. Willing to relocate and eager to develop new skills

Experience

- Fresh graduate with little experience in field but completed many projects of microcontroller (PIC18) coding and PLC projects. Already Completed many projects during the degree level on VLSI (design) so better hands-on Analog design.
- **Internship of 4 weeks in National Institute of Electronics (NIE).**
- **Work on Cadence.**

Semester Projects

- **Simple CPU implemented in Xilinx Vivado (Dec 2021, January 2022):**
 - The CPU consists of control unit, memory, and ALU.
 - The decoder connected to the memory to locate the addresses in the memory the program counter. The data is store in the memory.
 - The program counter stores the current address of operation.
 - Control unit control the signals.
- **Chopper Circuit to control speed of DC motor (Dec 2022, Jan 2022):**
 - The pulse width modulation controls the speed of the motor.
 - The transistors are use which acts as a switch.
 - The 555 timer IC used for controlling the PWM.
- Induction Heater (Jun 2022, July 2022)
- **Home automation using Arduino (Jun 2021, July 2021).**
- **Inverter Circuit (Jun 2021, July 2021).**
- **Motor Forward Reverse Control Using PLC (Jun 2021, July 2021).**

Education

Bachelor of Electrical Electronics Engineering (EEE).
COMSATS University Islamabad Abbottabad Campus
(2019 - 2023).

FSC :
Model Science College Muzaffarabad AJK
(2017 - 2019).

Matriculation :
The Gateway College Muzaffarabad AJK
(2015-2017)

Contact Details

+92 311 8831135
abd.kh31135@gmail.com
Rawalpindi, Pakistan

Expertise

- PLC Design
- Cadence Software
- MATLAB
- Proteus
- Verilog Coding
- Simulink

Major Courses

- Digital Logic Design.
- Industrial Electronics
- MSI (Microcontroller Systems and Interfacing).
- Control System
- Digital System Design.
- Digital Signal Processing.

Languages

- English
- Urdu