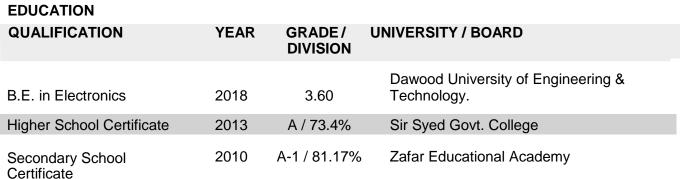# TAZEEN KHAN

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**Email:**
d1.tazeen@outlook.com
**42101-7616539-0**

## EDUCATION

| QUALIFICATION | YEAR | GRADE / DIVISION | UNIVERSITY / BOARD |
|---|---|---|---|
| B.E. in Electronics | 2018 | 3.60 | Dawood University of Engineering & Technology. |
| Higher School Certificate | 2013 | A / 73.4% | Sir Syed Govt. College |
| Secondary School Certificate | 2010 | A-1 / 81.17% | Zafar Educational Academy |

## EXPERIENCE

**Polta Inc.**
*IoT Engineer, Jan 2020 to May 2021*

- UI/UX designing, software planning & to integrate from API
- Front-End development by HTML CSS Bootstrap, JavaScript.
- Working in the space of IOT, including MQTT, CoAP, time series database, and the sensor area network communication protocols, such as 6LowPAN, BLE, ZigBee, ModBus,
- Partner with product management and product development to drive adoption and massively scale Iot capabilities throughout the enterprise.
- BI trends related to customer needs, Worked on BIG DATA ANALYSIS Python to scale the trends.

**Monolithic Solution Inc.**
*Layout Engineer, Feb 2019 to Dec 2019*

- Hand on experience in custom RFIC, Analog, Mixed-signal layout of high-performance CMOS Design using Cadence Virtuoso.
- IC Mask designing using 55nm, 130nm, 180nm CMOS Technologies with minimum parasitic.
- Having expertise over component matching, inter-digitation, schematic design understanding, critical routing, latch-up effects, and DRC/LVS/ERCverification tools.
- Testing of Chip fabricated from foundries, debugging the solution.

**Sunshine Corporation**
**Research Associate (Electronic Engineer),** January 2018 to Dec 2018

- Maintenance of electronics, electrical and communications services to ensure the delivery of quality systems and provide round operations.
- Testing the performance, durability, safety and functionality of engineering solutions to be installed at the port terminals including PLCs, MIMO,Encoders, Servers and other industrial equipment.
- To design and troubleshoot Electrical panel and to maintain it, develop a new algorithm of a given task and deal with its online support.
- To write Document DQ, PD, IQ, and OQ for industrial projects.

## PROJECT

- My Final year project was NI MYRio (FPGA) 1900 image inspector to inspect bottle, vials and imaging it as 3D model in LabVIEW.
- I have also designed a project using Surecross BANNER to enhance and improve the Maintenance Time of Data Fetching features by providing it on Automation Direct HMI Interface.
- Designed an indigenous Robot for National Engineering Robotics Contest 2016.
- Designed an IOT based device for safety precautions of parents that informs the parents if their kids exceed a certain limit while driving that also allowed to send the current location of the kid the parents
- Designed and developed a home security system in which the alarm rings if ac supply ina house is cut off using ESP8266.
- MDR (Machine Data Recorder) IoT gadget that records the electricity consumption of Machines.

## INTERNSHIPS

- CIVIL AVIATION AUTHORITIES l June 2017 to July 2017
- PAKISTAN INTERANATIONAL AIRLINES **I** August 2017

## KEY SKILLS

- **Programming Languages:** Ladder Logic, VHDL, Assembly Programming, C Languages.

- **Software / Applications:** HTML CSS Bootstrap JavaScript, AVR, 8051 and Arduino Microcontrollers, LabVIEW,NI Multism/ Proteus, MATLAB. LT spice, Cadence Virtuosoo, VS code, C++, Python, SQL, WorkSpace

- **Courses:** Artificial Intelligence (PIAIC)**,** Entrepreneurship for Engineer, Introduction to the Internet of Things (IoT) (T2 2018)