

Personal Information

Saad Mohsin Khan



Lahore (Pakistan)



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Work Experience

10 June 2019 – 22 July 2019

Technical Intern

Water and Power Development Authority (WAPDA)

- Training on auxiliary and electrical systems of a powerhouse where auxiliary includes air flow, water flow and emergency routines.
- Overseeing practical day to day activities being carried out in a powerhouse with focus on the control center
- Lux and wire sizing calculation of a house

5 June 2017 – 17 July 2017

Summer Intern

Maksons Engineering (Pvt)

- Understanding and handling day to day office tasks.
- In-charge of file organization and management.

Education and Training

19 Sept 2016 – present

Bachelor in Electrical Engineering

National University of Science and Technology (NUST), Islamabad, Pakistan

CGPA:- 3.37 (present)

Courses:- Electronics I and II, Communication Systems, Computer and Communication Networks, Digital Signal Processing, Control Systems

Final Year Project

Interface Development for an office environment using demand response

Semester Projects

Real-time IOT Machine Learning based Weather Prediction

Bandpass filter design

Audio equalizer software using matlab

Matrix calculator on c

File compression using Huffman Algorithm on c++

Solar powered auto irrigation system

Snake game on LCD using PIC microcontroller

Modelling of a sentry gun which works on IR detection using logic gates

Sep 2014 – June 2016

Cambridge ALevels

Salamat International Campus for Advanced Studies (SICAS)

Grade: 1A* 2As

Sep 2011 – June 2014

Cambridge OLevels

Salamat International Campus for Advanced Studies (SICAS)

Grade: 4A* 3As 2Bs

Skills and Activities

Job-related skills

Programming Languages :- C, C++, FreeRTOS , verilog ,Intel Assembly Language, assembly language of PIC and 8051,Mbed-RTOS

Softwares used:- Visual Studio, Matlab , Keil, Android Studio, Labview, Proteus, PSPICE, AWS, IAR Embedded Workbench, Mbed Studio

Hardwares used:- PIC32, 8051, esp32,STM32 ARM CORTEX M-4

Extra-curricular Activities

Youth Entrepreneurial Society (YES)

HR Executive

Sept 2017 – Sept 2018

Al-Qalam

Class Representative

Jan 2017- Jun 2017

NUST Character Building Society (NCBS)

Marketing Executive

Jan 2018 – April 2018

Promoted to **Deputy Director** Marketing

Chaddar Street Store

Security Head 35th Street Store and Trainee in 36th Street Store

May (2019)-May(2020)

Additional Information

Honors and Awards

- 100% Scholarship Alevels SICAS
- Silver medal backstroke under24 swimming in Community Club
- Bronze medal freestyle under 24 swimming in Community Club
- Successful completion of Huawei Network Associate Training from SEECS
- Research Assistant in 15th High Capacity Optical Networks and Enabling /Emerging Technologies (HORNET-ICT 2018) International Conference