

MUSHARRAF QADIR

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House # 1214, Street # 4, QadeerAbad, Multan, Pakistan, 60000

EDUCATION

2018 – Present

NUST (NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY), ISLAMABAD

Bachelor of Engineering in Electrical Engineering

CGPA: 3.30 out of 4.00



2016 – 2018

PUNJAB COLLEGE OF INFORMATION TECHNOLOGY, MULTAN

HSSC – F.Sc. (Pre-Engineering)

Percentage: 87.45 %



2014 – 2016

GOVERNMENT RAFFAH E AAM HIGH SCHOOL, MULTAN

SSC - Matric

Percentage: 86.09 %



ACADEMIC ACTIVITIES

Smart 8-way traffic signal on breadboard by gates

Build a traffic signal that has ability to detect traffic flow along with specific time to turn on/off 8 signals using proteus, MATLAB and hardware implementation on Veroboard

Buck Converter

Design buck converter that gives constant output voltage for variable input voltages.

Wireless smoke detector

Design Smoke Detector with ESP32 that get data from far place and gives alarm to alert user.

Tagging Multimedia Event for Content Advertisement

Tag the keywords and Events with audio/video streaming/stored content for different languages, Tagged events will be used for targeted advertising of products to increase their revenue.

EXPERIENCE

July – August 2021

Pak-Arab Fertilizer, Multan

Electrical Engineering Intern (On-site)

- One of the 10 interns selected on Merit.
- Learnt about working of E&I department of an industry
- Electric fault-finding techniques in real-time system
- Safety and Protection of transformers and Electric Machines.



July – September 2021

MEPCO (Multan Electric Power Company)

Power Engineering Intern (On-site)

- Protection of electric distribution system
- Testing of transformers
- Working of Power Grid System
- Inspection and testing department
- Metering of electricity and working of measuring meters



August – September 2021

PEL (Pakistan Elektron Limited), Lahore

Power transformer Intern (Online)

- Manufacturing of Power Transformer
- Parts of Power Transformer
- Ratings and usage of Power Transformer
- Testing and Quality Assurance of Power Transformer



CERTIFICATIONS

Engineering: Undergraduate & Masters Asia Virtual Experience Program (Nov 2020)

National Financial Literacy Training Program (June 2020)

Tomorrow's Mobility by **IFP School** (April 2020)

Excel Skills for Business Specialization by **Macquarie University** on **Coursera**

- Excel Skills for Business: Essentials
- Excel Skills for Business: Intermediate I
- Excel Skills for Business: Intermediate II

An Introduction to Programming the IOT Specialization on **Coursera**

- Introduction to the Internet of Things and Embedded Systems
- The Arduino Platform and C Programming
- Interfacing with the Arduino

Udemy Useful Excel for Beginners on **Udemy** (August 2019)

Enterprise Blockchain for the Internet of Things by **IEEE** (October 2019)

Transparency and Accountability for Robotics & AI Systems by **IEEE** (October 2019)



SKILLS

- ◆ Computer Skills
 - Microsoft Office 365
 - AutoCad 2017
 - Proteus
 - Microsoft Visual Studio/C++/Python
 - MATLAB/SIMULINK
 - PSPICE/ MULTISIM
 - IAR Embedded WorkBench/FreeRTOS
 - LabView/LVDAM/LVDAC
- ◆ Time Management
- ◆ Leadership Skills
- ◆ Complex Problem Solving

HONORS AND AWARDS

- ◆ Awarded with Scholarship from Punjab Benevolent Fund (2017-2021)
- ◆ Winner of Kurkure HALKE PHULKE BUGGY COMPETITION (2019)
- ◆ Best Moderator of Quarter at POCO Community Global

VOLUNTEER WORK

September 2019 – Present

ACM (Association of computing Machinery) NUST CHAPTER

Professional organization, which aims at enhancing the professional & social bond between students & industry *and organize events related to computer knowledge*

Team Lead Finance: *Lead Team of Finance at ACM Nust*

Executive: *Organizer at Hackathon 19 Islamabad and GDG DevFest 19*



September 2019 – Present

Chadar NUST Chapter

An organization that always active for reduction in poverty, Organize blood drives, cloth distribution, Education for child.

External Relation and Sponsorship: *Teamwork, connectivity with brands and vloggers*

