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# Syed Abdullah Qadeer

## EDUCATION

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### GHULAM ISHAQ KHAN INSTITUTE OF ENGINEERING SCIENCES AND TECHNOLOGY

Bachelor of Science in Computer Engineering

2019-2023

Relevant Coursework

Data Structures / OOPs / OOADs / Data Science / ASIC Design / Embedded Systems / Database and management systems / Internet of Things / Microprocessor and interfacing / Linear Algebra / Engineering Economics / Software-Engineering / Entrepreneurship and Marketing / Total Quality Management

## WORK EXPERIENCE

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### HELIOCENTRIC

2018-2019

Co-Founder of the team and organizer of two events presented by the team that were a science competition and sessions on astronomy.

### Mission-Critical Communications LLC.

2022

Developed the front end of an app, using Flutter

### PakLaunch.

2022

Interned in Operations & Marketing.

## ACADEMIC PROJECT

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### FYP project: AOA Chip:

Designing a dedicated SoC for motor speed control and then implementing by programming RISC-V using FPGA.

### GIKI Food CHARM

Handled all the software documentation for a food ordering web-based application.

### Microprocessor Interface Project (Digital Dice)

Programmed a circuit that generates random numbers between 1-6 such a way that 4 players can participate and no player can cheat by rolling dice more than once except in the case of number 6 to play a game similar to Ludo.

## EXTRA CURRICULARS

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### SCRIBES GIKI

2020-2022

Part of the writing and editing team for the magazine.

### NETRONIX

2020-2023

Team member of NETRONIX which is a society of Ghulam Ishaq Khan Institute that manages networking of 12 hostels and numerous workstations in the institute, it also manages gaming servers all around the institute.

### ACM GIKI

2020-2023

Team member of Association for Computing Machinery

### GIKI CONSULTING GROUP

2021-2023

Team member of a group that helps individuals achieve a better future.

### GIKI DEBATE TEAM

2020-2021

Team member of the official debating team of GIKI.

## VOLUNTEER WORK

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### SOS Children's Village

2017

Volunteered as a teacher.

### Dar-ul-Atfal Orphanage.

2018

Volunteered to provide social work.

## SKILLS, ACTIVITIES & INTEREST

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-Programming Languages: C/C++, Java , Verilog , Assembly  
-Operating System: Linux, Windows  
-Single Board Computers: PIC, 8051, ARM  
-Software & Libraries: MATLAB  
-Electronic design automation: Proteus