

# Muhammad Usama Qureshi

Computer Engineer

A highly motivated individual seeking to cement his footing in the technological world with experience in Software development, Database management system, Machine Learning and Web development alongside a constant yearn to excel and flourish in the professional world. Positively impact team work operations with better communication and critical thinking skills.



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Abu Bakr Heights H-13/3  
Islamabad, Islamabad,  
Pakistan

## SKILLS

Software Development

Data Base Management

Web Development

My SQL

Python

Data Structure

Matlab

C++

HTML, CSS

AI & ML

Git Hub

## INTER PERSONAL SKILLS

Leadership

Management and Organization

Inviting and Welcoming

Communication Skills

## EDUCATION

**BS Computer Engineering**

**CGPA: 3.16**

National University of Sciences and Technology, Pakistan (NUST)

09/2017 - 09/2021

Islamabad

## PROJECTS

Seamless Video Background Replacement Using Machine Learning and Emotion Detection (FYP) (09/2020 - 06/2021)

- To seamlessly separate out people from background in a video feed and then blur or replace the background or set it according to user's emotion. • Separate Out People from Background in a video feed. Blur or replace the background. • Achieve a seamless experience. Sense current emotion and set background according to that.

Digital Voting Machine

- This is raspberry pi based IOT project. Which can be used for Bio metric voting using fingerprint sensor and by scanning ID card.

Flag Warriors Game (11/2018 - 02/2019)

- This was a Toy Story Themed Game. For this game we used 3D's Max and Unreal Engine. We designed the whole room with its all things in 3D's Max. And then imported this to Unreal engine. • Link for the Game: <https://www.youtube.com/watch?v=SUh-jH5O9o>

Medical Service Database Management

- This project was made in SQL Server. Made the ERD diagram within the server. And generated multiple reports on Patients and Services. Generated Monthly bills for paramedic services. Also we maintained a history of the company's patients.

Temperature and Humidity Measurement using Arduino and plotting their graph on Android application

- This project was made using Arduino IDE and using C++ for the Server which was on PC. Which was receiving the data from Arduino IDE using Wi-Fi network. And sensors were sending their data to Arduino Module using Wi-Fi module. Then Server was sending this data to the clients which were subscribed for their specific protocol i.e Temperature or Humidity.

## EXTRA CO-CURRICULAR ACTIVITES

**Internship at KIFES in Islamabad (08/2019 - 09/2019)**

An NGO for poor and street children. Who gives free education and food to these poor and street children. I was there for them to give them basic concepts and tools of Computer, so that they may be able to use these tools for their earning (At Bahria University, who gave their Computer labs for these children for Month).

**NUST Volunteer Club**

Volunteer at NUST Volunteer Club

**Pointer Batch Ceremony**

Got a batch for good GPA in pointer batch ceremony.

**Sports**

Cricket, Table Tennis