



# Abdul Rafay Mughal

Student

Conscientious and organized individual with exceptional time management ability. Personable team player with superior communication and interpersonal skills.



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02 May, 2002



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## SKILLS

C / C++

Python

JAVA

MATLAB

React.js

Arduino

JavaScript

Circuit Analysis

PSpice

Microsoft Office

## INTERESTS

Programming

Passion for Technology

Reading Textbooks

Football

## EDUCATION

### Bachelors in Electrical Engineering COMSATS University Islamabad

2020 - Present

Islamabad

### Intermediate in F.Sc (Pre-Engg.) Punjab College of Information Technology

2018 - 2020

Rawalpindi

### Matriculation in Science The Universal School

2016 - 2018

Rawalpindi

## PERSONAL PROJECTS

### To-Do list App using React.js

Developed a basic to-do list app for daily use using React.js and JavaScript.

### Bank Management using C++

Developed a CLI bank management system which tracks record and maintains all accounts created in it using File Handling.

### Bus Ticket Management using C++

Developed a CLI bus ticket management system which tracks record and maintains all tickets for different buses using the concept of Object-Oriented Programming.

### Gym Management using JAVA

Developed a Gym Management System using JAVA which handles different gyms and different users within them using the concept of classes and functions.

### Line Following Robot using Arduino

Designed a line following using Arduino and IR Sensors and participated in Robian'22 Contest.

### Digital Multimeter using Arduino

Designed a simple digital multimeter using Arduino that measures current and voltages of various ranges.

### Signal Processing in MATLAB

Developed a simple program in MATLAB that calculates all the noise factors of a signal and filters it out of the input signal to generate a clean output signal.

### Smart Door Detection using IR

Created a device which detects the state of a door that whether it is opened or closed. This is done by creating a simple circuit using photodiode, IR emitter and receiver, resistors, LED's and a relay.

## ACHIEVEMENTS

Participant in Robian'22 Contest for Line Following Robot (12/2022)

Host at COMSATS Project Expo (06/2022)

C++ Speed Programming Competition (12/2021)

Windows Insider Bug Bash Contest (10/2019)