



## MUHAMMAD TABRAIZ HASSAN

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Date of Birth: 30/09/1999

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### EDUCATION & QUALIFICATIONS

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#### Bachelor of Science (Honors), Computer Science(Candidate)

July 2021

Major (Computer Science)

Namal Institute, Mianwali

CGPA: 3.11/4

#### F.Sc Pre-Engineering, FBISE

Aug 2017

Punjab College, Shaheen Town, PAF Road, Mianwali, Pakistan

Marks: 802/1100

### PROFESSIONAL EXPERIENCE

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None

### PROJECTS

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**Super Brick Breaker:** A game built using Scratch

**To-do:** C++ program in which class is used to store daily routine tasks with time and tasks description

**Calculator:** A simple graphical interface calculator is created which performs mathematical calculations in Java

**Note taking app:** A GUI is designed and implemented in such a way that allows a registered user to store textual data and retrieve it when needed in Java.

**UDP and TCP:** The networking protocols UDP and TCP are separately implemented as different programs in Java.

**Fruits Classification(Artificial Intelligence):** Using KNN and ANN strategies, millions of pictures of different types of fruit pics are trained and classification between different type of fruits is done in Python

**Movies search engine:** A large amount of movies dataset is taken and stored in nodes of different data structure algorithms like AVL trees, Hashing algorithm and linked list.

**Chat App:** A simple chat app having communication between client and server is designed and implemented in Java

**Designing a weather application:** Design of a weather app is implemented in android studio using Java

**Cased Based Reasoning from Scratch:** A machine learning project where CBR is coded from scratch (without using in-built libraries) and tested on a zoo data in Python

### ADDITIONAL EXPERIENCE

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#### Namal Adventure Club, NIM

Nov 2017 - Sep 2018

General Member

- Helped in organizing events of the society and trips to different parts of the country

#### IEEE society, NIM

Oct 2019 - Sep 2020

Treasurer

- Worked as a finance manager and helped in organizing different events of the society

### HONORS & AWARDS

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- Ranked in the top 88<sup>th</sup> position of the country in International Kangaroo Mathematics Contest(IKMC) 2011.
- Topped the courses Technical Writing & Presentation Skills, Communication Skills.
- Ranked 67<sup>th</sup> position in the country in IKMC at Benjamins Level 2010
- Remained in top 2 students throughout in High School
- Received Merit Certificate for Participating in Painting Classes in A.R.F College, Mianwali in 2010

### SKILLS & INTERESTS

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- Competent user of Microsoft Word, LaTeX, PowerPoint, Excel, Android Studio, Anaconda(Spyder), GitHub, Eclipse, Code Blocks, PyCharm CE, MATLAB and Visual Studio.
- Interests: Interested in new tech( always stay updated by reading news articles and watching tech videos), entrepreneurship, badminton, computer and console gamer, anime, movies, music and designing.