

# RAFAY MAHMOOD

## Software Engineer

rafaymahmood1999@gmail.com | +92 331 4336 177 | Lahore, Pakistan | [LinkedIn](#) | [GitHub](#)

[www.rafaymahmood.ml](http://www.rafaymahmood.ml)

## Summary

I am a **Machine Learning** and **Data Science** enthusiast, working every day on learning and develop efficient solutions. I really believe to have strong background of project management and community relations

## Education

### University of Central Punjab

Bs Computer Sciences

July 2022 | CGPA: 3.17

### Punjab Group of Colleges

F.S.c - Pre-Engineering

March 2018 | 789/1100 (A)

## Skills

- Python • C /C++ • Linux
- OpenCV • NLP • SQL
- TensorFlow • Keras
- Pandas • NumPy • Matplot
- Sci-Kit • NLTK • Seaborn
- Data Visualization
- Data Analysis
- Predictive Modeling

## Coursework

Object Oriented Programming  
Data Structures  
Machine Learning  
Data Science  
Artificial Intelligence  
Algorithms  
Big Data Analytics  
Database Administrations  
Probability and Statistics

## Extras

Video Games  
Gymnasium  
Freelancing

## Projects

### AI based fitness app using CNN

Oct 2021 – Mar 2022

- Developed ML model for Image Classification System by the accuracy of more than 75% by using CNN technique and *Tensorflow*, *Keras* and *Python* as main tools.

### Appo-Fit Application

Mar 2022 – July 2022

- Created an application integrated to the Image Classification model, using *Flutter* connected to *Firebase Firestore* as a database

### R.E.D

Sep 2021 - Oct 2021

- Developed a web portal prototype for a product/service working on Restoring Environment Depletion using *Bootstrap*, *CSS*, *JS*.

### Heart Attack Analysis

July 2021 – July 2021

- Did the analysis on a data of cardiac illness patient to identify the main factors(vitals) contributing in heart illness by using *Python* and *Data Analytic* techniques such as *Seaborn*, *Matplot*, *Pandas*, *NumPy*, etc.

### Chess Game

Sep 2021 - Oct 2021

- Developed Chess game as a learning project by using C++ as my main tool with graphics (Borland Graphics Interface BGI).

### What-A-Car

Jan 2021 – Feb 2021

- Developed a vehicular information webpage with innovative user interaction idea, by using basic *HTML*, *CSS*, and *JavaScript*.

## Professional Experience

### SoloInsight Inc.

Aug 2019 – Sep 2019

PHP Development Intern

- Used *PHP* and *SQL* to manage how data is stored in tables and user interact with it

## Leadership and Awards

### ML Research Paper submitted to IICAET 2022

July 2022

### Director Logistics

Mar 2022 – July 2022

- Worked voluntarily as a Director Logistics at Student led organization in Campus

### National Winner at Global Battle Of Minds'21 by BAT

- Competed in Global finals among 13 countries, representing Pakistan at Global Finals

Nov 2021 – Dec 2022

### Samsung I. Campus

Oct 2021 – Feb 2022

- Secured a seat for AI training course by Samsung