

# HASSAN TAHIR

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## EDUCATION

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### BSc Computer Science

Expected September 2024

### CGPA: 3.44

Courses included Computer Science, Machine Learning and Business subjects

### FSc (Pre-Medical with Additional Mathematics)

2018, Punjab College

### Percentage: 75.36%

Obtained 806 out of 1100 in FSc Pre-Medical and 169 out of 200 in additional mathematics

### Matric

2016, Allied School Husnain Campus

### Percentage: 86.36

Obtained 950 out of 1100 in Matric. Subjects included Biology, Chemistry, Physics and Mathematics

## QUALIFICATIONS

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### IBM AI Engineering Specialization

July 2023

Coursera

### IBM Machine Learning Specialization

April 2023

Coursera

### IBM Data Science Specialization

April 2023

Coursera

## PROJECTS

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### Music Recommendation System

March 2023

Built a full Music Recommendation App for Windows using PyQt6 and PyQt6.

### American Sign Language Detection

March 2023

Trained a model using YoloV7 to detect American Sign Language using Webcam

### Hostel Admission Management System

March 2023

Built a Hostel Admission Management System using ReactJs, NodeJs, ExpressJs and MySQL.

### Learning Management System

March 2022

Built a console based Learning Management System using C++ utilizing concepts of OOP and Data Structures

## ACTIVITIES

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Media Team Member  
2022-2023

Hayatian Computing Society

## SKILLS

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**Machine Learning Fundamentals**

Basic understanding of fundamental concepts in machine learning, including supervised and unsupervised learning, classification, regression, and clustering.

**Programming Languages**

Skilled in high level languages including Full stack JavaScript, Kotlin, C++ and Python.

**Data Preprocessing**

Basic knowledge of data preprocessing techniques, including data cleaning, feature scaling, and handling missing values.

**Machine Learning Libraries**

Basic skills in data visualization using tools like Matplotlib and Seaborn to explore and visualize datasets.

**Model Training and Evaluation**

Starting to build and train machine learning models for simple tasks using standard algorithms and basic understanding of model evaluation metrics like accuracy, precision, recall, and F1-score.

**Data Visualization and Analysis**

Basic skills in data visualization using tools like Matplotlib and Seaborn to explore and visualize datasets and basic data analysis skills to gain insights from datasets.

**Version Control**

Familiarity with version control systems like Git for tracking code changes.

**Collaboration**

Willingness to collaborate with more experienced colleagues and learn from them.