



## Rayyan Ahsan

**Nationality:** Pakistani

### CONTACT

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### ABOUT ME

I am a Data Science student at the University of Management and Technology (UMT) with a strong background in Python, machine learning, SQL, and data analysis tools like spreadsheets and Microsoft Word. I have completed an internship at Minexx, where I gained practical experience in applying machine learning techniques and SQL in real-world projects. I have also achieved recognition through competitions such as HRCA and Kangaroo, earning multiple certificates. Additionally, I served as a class prefect and actively participated in basketball competitions during house events. Beyond academics, I am skilled in animation and video editing, successfully completing several creative projects. I am eager to contribute to data-driven projects, using my technical and leadership skills to solve complex challenges in the field of data science.

### EDUCATION AND TRAINING

**13 NOV 2022 – CURRENT** LAHORE, Pakistan

**BSDS** University of Management And Technology

Website <https://www.umat.edu.pk/> | Final grade A

### LANGUAGE SKILLS

**MOTHER TONGUE(S):** Panjabi; Punjabi

**OTHER LANGUAGE(S):** English | Urdu

### DIGITAL SKILLS

C++ | ML/Computer Vision | SQL | Python | Assembly Languages

### VOLUNTEERING

**10 MAR 2024 – CURRENT** University of management and technology

#### Teacher Assistant

- Evaluated assignments, exams, and projects, providing constructive feedback to students to enhance their understanding and performance.
- Supervised laboratory sessions, ensuring a safe and productive environment for practical learning.
- Managed course-related administrative tasks such as maintaining records, organizing study materials, and coordinating with students and faculty.

Lahore

#### Student Volunteer

**Alkhidmat Foundation Pakistan** Oct 2024 - Present · 1 month  
Focus: Environment Write here the description

### PROJECTS

**8 DEC 2023 – 8 JAN 2024**

#### Hotel Management System

- A Hotel Management System in Data Structures and Algorithms (DSA) is a software application designed to handle various aspects of hotel operations using efficient data structures and algorithms.
- It typically includes functionalities such as room booking, customer check-in/check-out, room availability tracking, and billing.

Link <https://github.com/Rayyanahsan/Hotel-Management-System->

**15 DEC 2023 – 4 JAN 2024**

#### Project IDS- final(Grade Prediction )

Predict the grade with basic python libraries

Link <https://github.com/Rayyanahsan/Project-IDS--final-Grade-Prediction->

28 MAY 2024 – 7 JUN 2024

### Database Management System (Hotel Management System)

- By using ERD diagram and with SQL queries.
- It typically includes functionalities such as room booking, customer check-in/check-out, room availability tracking, and billing.

Link <https://github.com/Rayyanahsan/Database-Management-System-Hotel-Management-System->

13 MAY 2024 – 10 JUN 2024

### Exponential\_Growth\_Model\_Project\_Resources (Differential Equation)

Using PINN concept, ML for training the model training to compute a loss function

Link [https://github.com/RayyanAhsan78900/Project-/blob/main/Group\\_1\\_Exponential\\_Growth\\_Model\\_Project\\_Resources\(Differential\\_Equation.zip](https://github.com/RayyanAhsan78900/Project-/blob/main/Group_1_Exponential_Growth_Model_Project_Resources(Differential_Equation.zip)

22 JUL 2024 – 7 OCT 2024

### Predication of Price by using Prophet model

Developed a predictive model for forecasting commodity prices using the Facebook Prophet model. Fetched and processed real-time data from an API to generate accurate price predictions. Utilized Python for data analysis and implemented time-series forecasting techniques. Integrated the model into a web application using Flask to allow users to interact with the predictions. Improved forecasting accuracy by fine-tuning the model based on historical data patterns <https://github.com/Rayyanahsan/Internship-project->

Link <https://github.com/Rayyanahsan/Internship-project->

## CERTIFICATES

12 JUL 2020 – 4 AUG 2020

### WWF

- Awarded by WWF, this certification recognizes proficiency in environmental conservation, sustainable practices, and biodiversity preservation.

### Alkhidmat Foundation Pakistan Planation

Planation

## WORK EXPERIENCE

22 JUL 2024 – 7 OCT 2024 London, United Kingdom

### Intern Minexx

Remote

- Gained hands-on experience in machine learning and SQL. Assisted in developing predictive models for price forecasting using Python and data science tools. Worked on frontend web development with Flask and Streamlit for interactive dashboards. Collaborated with the team on data analysis tasks to support decision-making processes. Gained hands-on experience in machine learning and SQL. Assisted in developing predictive models for price forecasting using Python and data science tools. Worked on frontend web development with Flask and Streamlit for interactive dashboards. Collaborated with the team on data analysis tasks to support decision-making processes.
- **Skills:** Python (Programming Language) · Exploratory Data Analysis