

Muhammad Aliyan

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Education

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| Lahore, Pakistan | Institute of Management Sciences | Aug 2022 – Present |
| • Bachelor of Science in Computer Science | | GPA: 3.78 (Present year), 3.45 (Total) |

Work Experience

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| • Machine Learning Intern | Qubeknit | July 2024 – Present |
| ○ Developed and fine-tuned machine learning models using TensorFlow, Keras, and Scikit-Learn. | | |
| ○ Conducted Preprocessing, feature engineering and model evaluation. | | |
| ○ Preprocessed and analyzed large datasets with Pandas and NumPy. | | |
| • Django Developer Intern | Qubeknit | Dec 2023 - July 2024 |
| ○ Built and maintained web applications using Django framework. | | |
| ○ Implemented user authentication and authorization. | | |
| ○ Worked on front-end features and integrated them with backend services. | | |

Projects

- **Airline Price Dynamics**
<https://github.com/muhdaliyan/Airline-Price-Dynamics>
 - To explore how factors such as airline, **booking timing**, **departure** and **arrival schedules**, **source** and **destination**, and **class type** influence airline ticket prices.
- **Football Analysis**
https://github.com/muhdaliyan/football_analysis-p1
 - Investigating how YOLO can efficiently identify players and trackball movement throughout the game.
 - Experimenting with methods to calculate player speed and distances traveled using object tracking and more.
- **Notic**
<https://qubeknit.com/products/notic>
 - Designed and implemented TensorFlow models within **Notic** to analyze **student performance data**, helping to generate personalized **study schedules** and **optimize time management** for users.

Technical Skills

- **Languages:** Python, HTML/CSS, SQL, JS, C++
- **Framework and Libraries:** Django, Scikit-Learn, Tensorflow, Keras, Scipy, Numpy, Pandas, Matplotlib, Seaborn, CSS frameworks.
- **Tools:** Jupyter Notebook, PyCharm, GitHub, Linux, whimsical, Jira

Activities

- GDG Hackathon, DevFest, Build With AI, Google Extended I/O workshops.