

# IRTAZA HAIDER

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## EDUCATION

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**Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI)**  
*Bachelor of Science in Computer Science*  
CGPA: 3.26

Topi, Pakistan  
2020 – 2024

## EXPERIENCE

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**Bank Alfalah**  
*Data Science Intern*

Karachi  
2022

- Commended by supervisor for adapting new skills easily.
- Collected data through web scrapping and performed sentimental analysis.
- Performed cohort analysis on real data of users of Alfa App.
- Skills: MySQL Server, Numpy, Pandas, APIs, Python, Excel, PowerBI.

**Association of Computing Machinery (ACM GIKI)**  
*Head of Management*

GIKI  
2021 – Present

- Collaborated with over 80 members to ensure seamless operations and forging robust partnerships with industry partners for mutual gains.
- Managed the 2023 International Collegiate Programming Contest (ICPC) at GIK, overseeing all aspects of operations, coordinating liaison efforts, and arranging accommodations for 150 participants.
- Teamed up with Data camp, resulting in the exclusive provision of free courses to ACM members.
- Brought sponsors of 1.4 million PKR for ICPC 23

**The Citizen Foundation (TCF)**  
*Baghbaan Ambassador*

Karachi / GIKI  
2019 – 2022

- Taught in a class of more than 30 students during summer camp 2019.
- Arranged funds of more than 200K PKR during fund raising campaign in GIKI.

## ACADEMIC PROJECTS

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**Shaadi Waadi (Event Related Services Marketplace)**

- It is an online marketplace that is a one stop shop for buying everything related to event planning such as halls, catering, booking cars, etc. Users can create accounts, buy, add reviews, and even sell services on their own.
- Awarded 1<sup>st</sup> position as the best semester project in the class.
- *Mobile App: Dart, Flutter, Node.js, SQL.*
- *Web App: HTML5, CSS3, JavaScript, AJAX, PHP, SQL.*

**Principal Component Analysis**

- Applied PCA using Python libraries such as scikit-learn and Numpy on Landsat images of different bands.
- Demonstrated the effectiveness of the technique through visual comparison of the original and processed images.

**Graph of Protein**

- Developed a Graph Processing application using C++, implementing data structures and algorithms to automate the handling of large-scale graphs.
- Utilized algorithms to find the shortest path between every node, resulting in the efficient processing of data points of glucose.
- Processed visual representation using SDL library of C++.

## CERTIFICATIONS

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- Deans Honor Roll, FCSE GIKI Fall '22
- Hackerrank Certificates (Basic): Problem Solving, Java, Python, React, SQL.
- Hackerrank Certificates (Intermediate): SQL, REST API.
- Meta Back-End Developer Professional Certificate, Coursera.
- Machine Learning Specialization, DeepLearning.AI, Stanford, Coursera.

## SKILLS

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- Tools: C/C++, Python, Numpy, Django, MySQL, Power BI, Spyder, MS Excel, Oracle, Linux.
- Professional Skills: Leadership, Project Management, Problem Solving, Conflict Handling.
- Technical Skills: Databases, Backend Engineering, OOP, Data Structures, Algorithms, Operating Systems.