

# Fatima Abdul Rauf

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## EDUCATION

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### FCC - Forman Christian College (A Chartered University)

BS Computer Science

2020 - 2025

Cumulative GPA: 3.61; Dean's List Semester 2, 3 & 5

## WORK EXPERIENCE

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### Arbisoft

Campus Ambassador

FCCU, Lahore

Nov 2023 – Present

- Collaborated with T&O team to streamline Fresh Graduate Program's screening process by shortlisting top 25 candidates.
- Engaged students and professors securing participation in PyCon '24 as speakers and participants.
- Organized engaging campus events, raising awareness of Arbisoft's recruitment programs, and addressing student inquiries.
- Managed an Instagram page as a communication hub, fostering collaboration between student societies and Arbisoft leading to increase in co-organized events and student outreach.

### Bytewise Limited

Fellow – Deep Learning

Remote

March 2022 – June 2022

- Awarded top performer in the Deep Learning batch of 46 members
- Corresponded with the mentor to develop understanding of deep learning concepts such as tensor networks, Keras, models, and regularization techniques used in projects with built-in datasets in python.
- Applied data handling and file management to processing data effectively for visualization of US census data to visualize correlations between income and ethnicity, gender, and state.

## PROJECTS

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### Customer Segmentation

Machine Learning

- Cleaned and scaled the dataset (how many entries) for effective modeling using scipy and sklearn libraries for LinRegress, IsolationForest, StandardScalar, and PCA.
- Engineered features for modeling on the basis of RFM and demographical data.
- Optimized a K-means clustering model and used matplotlib for graphical representations to create customer profiles for targeted marketing strategies and identification of valuable customer segments.

### Singhar House Shop Management System Prototype

Python, T-Kinter

- Spearheaded stakeholder interviews for requirements engineering and analysis for SRS.
- Generated Domain Models, Sequence Models, use cases and test cases for efficient releases.
- Applied Agile principles of pair programming to deliver quality results to the manager.

### University Database

MS SQL

- Generated 3NF Entity-Relationship Diagram for a university and assembled dummy data using python scripts.
- Programmed complex queries for accessing, deleting, and updating data using Joins, Group By, and Aggregate Functions.

## LEADERSHIP EXPERIENCE

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### OmniLife VR

Director Protocol

- Lead a team of 4 people responsible for representing and promoting society on events, seminars, and workshops leading to a 20% increase in participants.

### Forman Philosophy Club

Co-Director Creatives

- Co-lead a team of 5 people on responsible for décor, ensuring a smooth and memorable experience for the participants

## ADDITIONAL

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**Technical Skills:** MATLAB, Python, Django, HTML, CSS, MS SQL, R, MS Office Suite, Data Visualization, Power Bi