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February 19, 2001

# Fazila - Rubab

## Seeking a Job Opportunity

### Education

2018–2022 **COMSATS University Islamabad, WahCantt Campus**  
BS in Software Engineering - CGPA: 3.12  
Graduation September - 2022

### Projects

#### Final Year Project

Sept, 21 - **Development of graphical user interface for data-driven modeling with tabular data,**  
July, 22 An easy to use application for non-programmers to train supervised machine learning models.  
*Python/Html, CSS environment, Django Framework*

#### Other Projects

Feb - June, 19 **Railway Management System,** Database  
This system shall automate the traditional manual systems of railway management. *Java environment*

Oct-Dec, 20 **Book Store Management System,** *Software Requirement Engineering*  
To improve the sales and store data on a single database in a more efficient and disciplined manner.  
*Figma Prototyping*

Oct-Dec, 21 **Educational Website,** *Scripting Languages*  
Aims to make learning process more advanced by moving it from traditional platforms to advanced ones.  
*Html, CSS environment*

Oct-Dec, 22 **Cash & Carry,** *Desktop Application*  
This system shall help customers to automate shopping, allowing customers for online shopping. *Python and Tkinter environment*

Mar-May, 23 **Who Am I?** *Web Development*  
Aims to make personal website by creating inspiring Html, CSS and JavaScript environment across pages showcasing my education and other details.  
*Html, CSS and JavaScript environment*

### Publications

1. Iftikhar, S., Karim, A. M., Karim, A. M., Karim, M. A., Aslam, M., **Rubab, F.**, ... & Yasir, M. (2023). Prediction and interpretation of antibiotic-resistance genes occurrence at recreational beaches using machine learning models. *Journal of Environmental Management*, 328, 116969.
2. Jaffari, H., Iftikhar, S., Zahra, N., **Rubab, F.**, ... & Burhan, M. (2023). Insights into adsorption capacity prediction on carbon-based materials using deep learning (Under Revision).

### Technical skills

Database MySQL (Data storage, Data retrieval, Data manipulation, Data analysis, Data modeling, Data reporting, Data integration)

Operating System Linux, Microsoft Windows

Software/Tool Tableau, Excel, Power BI Desktop (Data Analysis), MS Project (Project Management), UML (UML Diagram Designing e.g. DFD, Use Case etc.), Figma (Prototyping), Wordpress, GoHighLevel , Google Sites (Web Development), L<sup>A</sup>T<sub>E</sub>X (Documentation)

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## Programming Languages

Python Data Preprocessing, Exploratory Data Analysis, Data Visualization (matplotlib, seaborn, plotly), Machine Learning, Model Selection, Model Training (keras, sickitlearn, pytorch), Model Evaluation, Clustering Algorithm

Java JFrame for designing management systems

Html, CSS, Javascript Web Development

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## Certifications

- Open Badge by Fun Mooc (Sickit-Learn)
- Machine Learning Specialization *By Stanford*
  - Supervised Machine Learning: Regression and Classification *By Stanford*
  - Advanced Learning Algorithms *By Stanford*
  - Unsupervised Learning, Recommenders, Reinforcement Learning *By Stanford*

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## Interests

- Web Designing
- UI Designing
- Python Programming
- Machine Learning

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## Languages

English Intermediate

Good (IELTS: 7.0 Band Score)