



# Marjan Fatima

Data Scientist

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Exploring the world of data science one step at a time, dedicated to continuous learning and innovation, I thrive in environments where I can use my creativity and technical skills to understand patterns and optimize processes.

## EDUCATION

### BS Computer Science Namal University Mianwali

09/2020 - Present

Courses

- Quantitative and Computational Reasoning
- Data Structures
- Analysis of Algorithms
- Artificial Intelligence
- Data Analysis and Visualization
- Object Oriented Programming
- Software Engineering
- Database Systems
- Machine Learning
- Project Management

## WORK EXPERIENCE

### Intern UBL Karachi

06/2022 - 08/2022

Karachi, Pakistan

Achievements/Tasks

- I worked alongside the data and AI teams.
- I spent two weeks researching data warehousing.
- I learned about the common frameworks used for data visualization.
- I made a professional BI dashboard using React JS, Node JS, JavaScript, HTML, and CSS.

### Teachers Assistant Namal University Mianwali

11/2023 - 02/2024

Achievements/Tasks

- Teachers Assistant for Artificial Intelligence (AI) course.

## ORGANIZATIONS

Namal Computing Society (10/2023 - 05/2024)

President

Namal Character Building Society (11/2022 - 02/2023)

Marketing Executive

## SKILLS

Python

Machine Learning

Database

Scikit-Learn

Azure

MySQL

REACT JS

## PERSONAL PROJECTS

### Detecting Hand-written Numbers [Python]

- Using Sklearn on hand-drawn roman numerals (IX) dataset, we trained a multi-class neural network for maximum training and validation accuracy

### Analyzing Big Data [Microsoft Azure]

- I used Azure HDInsight for big data pre-processing. Explored Hadoop and Spark to build a predictive model.

### Urdu Text to Speech [Deep Learning] (11/2023 - 07/2024)

- Combining advanced linguistic algorithms and machine learning models to develop an Urdu text-to-speech API.
- Producing a natural and high-quality voice output to make digital content more accessible for Urdu speakers.
- Creating inclusivity in the digital communication space by transforming written Urdu content into spoken words.

## CERTIFICATES

### Data Wrangling Hackathon

by University Of Glasgow

### Penetration Testing for Beginners

by Namal University Mianwali

### 3-day Corporate training workshop (03/2024)

by NayaTel

## ACHIEVEMENTS

### Full-Merit Scholarship (09/2020 - Present)

I secured a full merit scholarship to study in Namal University, Mianwali

### Top 3 in Campus-to-Corporate Training

organized by NayaTel

## INTERESTS

Philosophy

Reading

Photography

Hiking