

MUHAMMAD HAMZA GHAFOR

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[Email](#) ◇ [LinkedIn](#)

SKILLS

Primary Skills	Python , SQL , MS Excel , Power BI, Git
Secondary Skills	Selenium-WebDriver (Automation) , BeautifulSoup (Web Scraping)
Soft Skills	Public Speaking , Leadership , Time-Management

PROJECTS

Exploratory Data Analysis with Sample Database

- Optimized SQL queries to explore products in inventory.
- Provided analytic insights & data-driven recommendations.
- Conducted efficient data modelling using MySQL.

DNA Sequence Matcher

- Processed csv files containing reference STR counts using Python.
- Matched DNA profile to reference database.
- Enhanced accuracy by **99%** in DNA identification by computing longest run of consecutive STR.

Data-Entry Bot

- Automated data entry using Selenium WebDriver & Google Docs.
- Developed a Python script to scrap data from the web using BeautifulSoup.
- Reduced data entry time by **95%** through automation.

WORK EXPERIENCE

1. Technical Writer

Apr 2024 - May 2024

Catalyst Cooperative (GSoD Program)

Opensource

- Improved Public Utility Data Liberation (PUDL) project's documentation.
- Highlighted 10 Most Useful Tables and updated descriptions on landing page to direct the users.

2. Data Analyst

May 2024

Tata Group

Job Simulation

- Created data visualizations for Tata Consultancy Services.
- Prepared questions for a meeting with client senior leadership.

EDUCATION

BS Computer Science, COMSATS University Islamabad

2022 - 2026 (expected)

CGPA: 3.56

MENTORSHIP

- **Community:** Led a developer student club for mentoring and giving career advice to SWE students.
- **Computer Science Tutor:** Intro to Programming , OS Concepts

CERTIFICATIONS

- [Relational Databases & SQL](#): by StanfordOnline.
- [Artificial Intelligence on Microsoft Azure](#): by MICROSOFT.
- [Inclusive Leadership in Workplace](#): by University of CoLorado.