M. TALAL LIAQUAT

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PROFESSIONAL SUMMARY

Motivated Computer Science undergraduate, currently **learning and developing skills in Python, SQL, Java, and Data Visualization**. Gaining hands-on experience in **AI, Web and System Development** through academic and internship projects such as **dashboards and file management systems**. Actively improving abilities in **data cleaning, analysis, and visualization** using **Pandas, NumPy, and Matplotlib**. Strong in **problem-solving and teamwork**, with a goal to **learn continuously and find solutions**.

AREAS OF EXPERTISE

- ✓ **Programming & Scripting**: Python, Java, Shell Scripting, VBA
- ✓ **Web Development:** HTML, CSS, JavaScript
- ✓ **Databases & Data Tools:** SQL, MS Excel
- ✓ **Data Science & Machine Learning:** Data Cleaning, Data Visualization, Pandas, NumPy
- ✓ **Version Control & Deployment:** Git, GitHub, Git Bash, Netlify, Vercel
- ✓ **Core Competencies:** Feature Engineering , Problem Solving, Teamwork

TECHNICAL TOOLS / ENVIROMENTS

VS Code **|** Jupyter Notebook **|** Git **|** GitHub **|** MySQL **|** Ubuntu **|** Excel

PROJECTS

Unemployment Analysis with Python
- Analyzed real-world unemployment data using **Pandas** and **NumPy** to explore patterns.
- Created **visual graphs** (line charts, bar plots) with **Matplotlib** to show the impact of Covid-19.
- Gained meaningful **insights about unemployment trends** through simple visualizations.

Event Reminder CLI App (Python)
- Built a **menu-driven command-line app** to add, view, and manage events using **Core Python**.
- Designed features for **saving, loading, and exporting events**, improving data reusability.
- Strengthened knowledge of **loops, functions, conditional logic, and data structures** through real-world implementation.

Event Management System – Admin Panel (Web App)
- Developed a responsive **Admin Dashboard** using **HTML, CSS, and Bootstrap** to manage events, participants, and categories.
- Designed interactive **UI cards, tables, and forms** for adding, editing, and deleting events with a clean, mobile-friendly layout.

Daily Motivation & Weather CLI App (Python)

- Built a **Python command-line app** that provides real-time weather updates, motivational quotes, and life advice using **APIs.**
- Implemented **API integration and data fetching** using the requests library for a smooth user experience.
- Designed a **simple, beginner-friendly interface** for quick daily updates directly from the terminal.

INTERNSHIPS / EXPERIENCE

Data Science Intern (Remote) — CodeAlpha | 2025

- Worked on real-world datasets by doing data cleaning and visualization using Pandas, NumPy, and Matplotlib.
- Created project like Unemployment Analysis and checked accuracy and performance.

Sales Executive — Mighty Motives (Karachi) | 2024 (6 months)

- Assisted in client interaction and sales operations, ensuring smooth service.
- Gained hands-on experience in teamwork, communication, and problem resolution.

EDUCATION

Bachelor in Computer Science (BSCS)
Sindh Madressatul Islam University (SMIU), Karachi | 2023 – Present

FSc Pre-Engineering
Government Islamia Science College | 2020 – 2022

CERTIFICATIONS & COURSES

- **Web Development –** Bano Qabil & LRN (Learning Resource Network)
- **IBM Data Science –** Coursera (In Progress)
- **Python for Data Science, AI & Development –** IBM Skills Network
- **Computer Training Course –** Vocational Training Centre
- **English Language Course –** Domino