# Shamiya Mizan Ommie

**Email:** shamiya.mizan@gmail.com **Phone:** +212-635-588884 **Location:** Casablanca, Morocco
**Professional Profile:** Linkedin Profile **Code Samples:** Github Repository

## Summary

Resourceful technical professional and self-taught Python developer with years of hands-on experience in network operations and data analysis within the telecommunications sector. Proven expertise in leveraging Python, SQL, Linux, and Git to design automated data workflows, enhance system performance, and drive operational efficiency. Skilled in translating complex data into actionable insights and technical solutions.

## Technical Skills

- **Programming & Scripting:** Python (automation, data analysis), SQL

- **Tools & Platforms:** Git, Linux, PostgreSQL, Excel, Tableau/Power BI

- **Networking & Data Analysis:** CDR analysis, VoIP operations, performance monitoring, fraud detection

- **Additional:** Basic exposure to distributed systems, APIs, and cloud configuration

## Professional Experience

**Team Leader – Network Operations Center** November 2015 - December 2017
*Global Voice Telecom Limited — Bangladesh*

- Led a team to analyze thousands of call detail records (CDR) for trend identification, fraud detection, and performance optimization.

- Developed and automated reporting using Excel and SQL to support decision-making and ensure quality service availability.

- Managed bandwidth load balancing across international Points of Presence (UK & Singapore).

- Collaborated with internal and external stakeholders to align technology initiatives with business goals.

**Engineer – Network Operations Center** May 2014 - October 2015
*Global Voice Telecom Limited — Bangladesh*

- Monitored network performance using PRTG and MRTG, creating dashboards and fault analysis reports.

- Provided first-level technical support to international vendors and service providers.

- Analyzed call performance data to resolve network issues and improve operational efficiency.

## Freelance & Research Projects

**Data Analysis & Network Traffic Research** May – Jul 2023
*Upwork — Remote*

- Analyzed internet routing patterns and network traffic to evaluate connectivity under governance policies.
- Using Python, SQL, and data visualization for actionable insights.

**Technical Presentations & Public Speaking**                    APNIC-44 Conference (2017)

- Delivered a Lightning Talk on co-relation between call release reasons between legacy and modern SIP based real-time communication systems.

# Career Break & Transition (2017 – 2024)

- Took a planned career break to raise three children while up-skilling in Python programming and data analysis.
- Completed self-learning initiatives and certifications to prepare for a return to the technical field.
- Worked on freelance data analysis projects related to network governance and Internet data analytics.

# Professional Achievements

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| **Fellowship – APNIC-44** | Taiwan, 2017 |
| **Fellowship – Asia Pacific Internet Governance Academy** | South Korea, 2017 |
| **Fellowship – APNIC-42** | Sri Lanka, 2016 |
| **Return Fellowship – APNIC IPv6 Hackathon** | Nepal, 2018 |

# Certifications & Professional Development

- SQL Certificate by HackerRank
- Google IT Support Professional Certificate (2021)
- Google IT Automation with Python Professional Certificate (2021)
- Ongoing self-directed study in data analytics and modern programming frameworks

# Education

**MBA in Management Studies (Not Completed)** Bangladesh University of Professionals (BUP)

**B.Sc. in Electronics & Telecommunication Engineering**      University of Development Alternative (UODA)