Riyos Sapkota

Data Analyst | Python | SQL | Power BI | AI Automation | n8n | Excel
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Portfolio | GitHub | LinkedIn
Nationality: Nepali | Languages: English, Nepali, Hindi

PROFESSIONAL SUMMARY

Data Analyst with 3+ years of experience across marketing analytics, business intelligence, and AI-powered automation. BSc in Computer Science with an MBA in Data Analytics and AI in progress. Skilled in Python, SQL, PostgreSQL, Power BI, and Advanced Excel, with hands-on experience building n8n automation workflows, deploying AI-powered web applications, and delivering end-to-end analysis from raw data to stakeholder reporting. Currently pursuing ACAMS AML/KYC certification with practical exposure through a self-built ELT pipeline analyzing AML transaction data using PostgreSQL and dbt.

PROFESSIONAL EXPERIENCE

Marketing Data Analyst **Sep 2025 – Present**

Nucleus Edge Technologies | Dubai, UAE

- Analyzed marketing campaign performance data across multiple channels using Advanced Excel (VLOOKUP, XLOOKUP, Pivot Tables), tracking KPIs, identifying trends, and flagging anomalies for optimization
- Built and maintained Power BI dashboards providing real-time visibility into campaign performance, audience metrics, and ROI, supporting data-driven decision-making for stakeholders
- Leveraged AI tools (ChatGPT, Claude, Copilot) to automate data summarization and report drafting, reducing manual reporting time significantly
- Ensured data accuracy and integrity across all datasets, performing regular validation checks and reconciliations before stakeholder delivery

Marketing Associate **Feb 2025 – Jun 2025**

TWB Creatives Pvt Ltd | Kathmandu, Nepal

- Analyzed multi-platform campaign performance data (social media, paid ads, email), driving a 25% increase in engagement through data-informed optimization strategies
- Monitored and reported key digital metrics (CTR, reach, CPL, CPA, conversion rates), preparing structured reports to guide targeting, content strategy, and budget allocation

IT and Data Operations Engineer **Nov 2023 – Jan 2025**

Mercantile Office Systems | Kathmandu, Nepal

- Maintained 95% SLA compliance by tracking, validating, and reporting IT incident metrics across hardware, software, and LAN/WAN network infrastructure
- Analyzed system performance data to proactively identify failure patterns, providing evidence-based recommendations that reduced operational downtime

Computer Operator and Data Administrator **Apr 2022 – Nov 2023**

Om Gyan Mandir Secondary School | Nepal

- Designed and managed academic data systems, maintaining structured student performance databases, attendance records, and learning outcome data with 100% accuracy
- Produced evidence-based analytical reports on student progress, translating raw educational data into clear insights for school leadership and educators

DATA ANALYTICS & AUTOMATION PROJECTS

Data Storyteller — AI-Powered CSV Analysis Web App

Tools: Python, Streamlit, Groq API, LLaMA 3.3, Pandas, Plotly

- Built and deployed a publicly accessible web app that accepts any CSV dataset and auto-generates interactive charts, smart filters, and AI-written business insights using Groq LLM API
- Live: data-storyteller-dsktxpi6asuaqoff3glvuw.streamlit.app | GitHub: github.com/RiyosSapkota

AML Transaction Monitoring — ELT Pipeline on IBM Synthetic Dataset

Tools: PostgreSQL, dbt, pgAdmin4, GitHub

- Built a structured ELT pipeline on IBM synthetic AML transaction data (approximately 5 million records) following a raw to staging to marts approach using PostgreSQL and dbt
- Developed SQL logic to detect structuring patterns, identifying accounts with repeated near-threshold transactions under USD 10,000 in a single day, a classic typology for evading regulatory reporting thresholds

AI-Powered Finance Logger — Telegram Bot + n8n Automation

Tools: n8n, Telegram Bot API, PostgreSQL, Docker, ngrok

- Built an end-to-end automated data collection workflow where a Telegram Bot triggers n8n, which parses messages, applies AI-powered categorization, and stores structured data in PostgreSQL automatically
- Deployed via Docker Compose with ngrok webhook integration as a production-ready automated reporting and data logging system

Spotify Track Analysis — 114,000+ Records

Tools: PostgreSQL, pgAdmin4, GitHub

- Analyzed 114,000+ Spotify tracks across 114 genres to identify popularity drivers, finding that 41% of high-energy tracks underperform and flagging a significant hidden opportunity

EDUCATION & CERTIFICATIONS

MBA in Data Analytics and Artificial Intelligence **2025 – Present**

Euclea Business School, Britts Imperial University College | Dubai, UAE

BSc in Computer Science and Information Technology **2019 – 2023**

Kathmandu College of Technology, Tribhuvan University | Kathmandu, Nepal

ACAMS AML/KYC Certification | In Progress

Association of Certified Anti-Money Laundering Specialists (ACAMS)

TECHNICAL SKILLS

Programming: Python, SQL, HTML, CSS, JavaScript

Data & Analytics: Pandas, NumPy, Matplotlib, Seaborn, EDA, Data Cleaning, Statistical Analysis, Customer Segmentation

BI & Visualization: Power BI, Plotly, Streamlit, Dashboard Design, KPI Reporting, Data Storytelling

AI & Automation: n8n, Telegram Bot API, Groq API, LLM API integration, Prompt Engineering, ChatGPT, Claude AI, Microsoft Copilot

Databases & Pipelines: PostgreSQL, pgAdmin4, dbt, Advanced SQL (CTEs, Window Functions, Complex JOINs, DATE_TRUNC)

Compliance & AML: KYC/CDD, AML Fundamentals, Sanctions Screening, PEP Checks, Transaction Monitoring, ACAMS (In Progress)

Excel & Reporting: Advanced Excel (VLOOKUP, XLOOKUP, Pivot Tables, Charts), Automated Reporting, Reconciliation

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Docker, ngrok