

SWAPNIL NICOLSON DADEL

Data Analyst

☎ +91-8539874570 ✉ swapnilnicolson.201@gmail.com 🌐 [Portfolio](#) 🌐 [linkedin](#)

Summary

Data Analyst with hands-on experience in SQL, Python, Power BI, and Machine Learning. Skilled in designing ETL pipelines, building KPI dashboards, and analyzing structured data to deliver business insights and support data-driven decision-making. Interested in combining Business Intelligence with Generative AI to automate reporting.

Skills

Programming & Querying: Python (Pandas, NumPy, Matplotlib, Scikit-learn), SQL (Joins, CTEs, Window Functions)

Databases: MySQL, PostgreSQL, SQLite, API Integration

Data Visualization Tools: Power BI (DAX, Power Query), Tableau, Advanced Excel (Pivot Tables)

Analytical Abilities: Data Cleaning, Data Validation, Exploratory Data Analysis (EDA), ETL Pipelines, KPI Development, Statistical Analysis, Regression, Classification

Tools: Git, GitHub, VS Code, Jupyter Notebook, Streamlit

Generative AI: Gemini AI, LangGraph, Prompt Engineering, RAG Pipelines, AI Agents, Multi-Agent Systems

Experience

Power BI Intern

Jul 2025 – Aug 2025

NullClass EdTech (Remote)

Tools Used: Power BI, DAX, Power Query

- Built 4 interactive Power BI dashboards tracking 12+ KPIs across 1,100+ engagement records.
- Automated reporting using DAX and Power Query, **reducing manual reporting effort by 60%**.
- Enhanced dashboard usability for campaign analysis through stakeholder-driven visualizations.

Data Analyst Intern

Jun 2025 – Jul 2025

Zep Analytics (Remote)

Tools Used: SQL, Python, Power BI

- Analyzed healthcare datasets from 77 U.S. cities using SQL and Python to identify operational trends.
- Developed ETL workflows processing 15,000+ healthcare records while improving reporting accuracy.
- Delivered Power BI KPI dashboards, **reducing reporting turnaround by approximately 40%**.

Projects

Crypto Intelligence Platform | Python, Power BI

GitHub | Demo

- Engineered a Bronze–Silver–Gold ETL pipeline processing 100+ live cryptocurrency records from the CoinGecko API.
- Developed Streamlit and Power BI dashboards tracking 4 key metrics: market cap, volume, gainers, and losers.
- Automated data extraction, transformation, and SQLite storage to ensure reliable real-time analytics.
- Integrated Gemini AI to generate automated market insights, reducing manual market analysis.

Google Play Store Analytics | Python, MySQL, Power BI

GitHub | Demo

- Processed and analyzed 10,000+ applications using SQL and Python to uncover pricing, category, and rating trends.
- Performed data cleaning and engineered new features to prepare data for modeling.
- Trained and evaluated machine learning models in Scikit-learn to predict application ratings.
- Designed interactive Power BI dashboards visualizing 4 key metrics: installs, pricing, ratings, and category performance.

E-Commerce Advanced Analytics | SQL, Python, Power BI

GitHub

- Analyzed 20,000+ e-commerce transactions to identify customer behavior and revenue trends.
- Conducted 4 types of customer analysis – cohort, segmentation, sales funnel, and CLV – using SQL and Python.
- Delivered executive Power BI dashboards for customer analytics and KPI monitoring.

Autonomous Data Analyst | Python, LangGraph, Gemini AI

GitHub | Demo

- Engineered a multi-agent AI analytics pipeline using LangGraph and Google Gemini, orchestrating 6 specialized agents (Profiler, Hypothesis, Analyst, Critic, Narrator, Memory) for autonomous cryptocurrency market analysis.
- Automated live data ingestion from the CoinGecko API through a Bronze–Silver ETL pipeline into a SQLite data warehouse for reliable historical trend tracking.
- Built an Analyst Agent executing 5 statistical tests (Pearson, Spearman, Linear Regression, T-Test, ANOVA) and a Narrator Agent generating automated executive reports, visualized via an interactive Streamlit and Plotly dashboard.

Education

M.Tech in Computer Science

2023 – 2025

Birla Institute of Technology, Mesra

CGPA: 7.5 / 10

B.Tech in Computer Science

2017 – 2021

Cambridge Institute of Technology, Ranchi

CGPA: 8.1 / 10

Certifications & Achievements

HackerRank SQL (Intermediate) • HackerRank Python (Intermediate) • Industry Validated Product Dissection – AlmaBetter • Generative AI for Beginners – Great Learning • 3 National and 2 International Hackathons (Devpost)