

Sameh Shehata Abdelaziz

BI & Data Insights Analyst | AI Specialist

+201274766641 | samehshihata@gmail.com | samehshi.github.io/portfolio

Professional Summary

Accomplished Data & BI Analyst with over 15 years of experience transforming complex datasets into actionable business insights to drive organizational success. Specializes in designing efficient data systems and leveraging advanced analytics, AI, and business intelligence tools to solve critical business challenges. Excels at collaborating with cross-functional teams to align technical solutions with strategic goals, delivering data-driven strategies that enhance operational efficiency, inform decision-making, and foster sustainable growth in aviation, finance, retail, and non-profit sectors.

Work Experience

Upwork **Freelance Data Analyst** 2020–Present

- Designed and delivered Power BI and Tableau dashboards to present key performance indicators, enabling clients in finance, retail, and healthcare to make data-driven strategic decisions with clear, actionable insights.
- Developed automated data workflows using Python and SQL, streamlining processes and reducing data processing times by over 30% to provide real-time, reliable reporting for dynamic business needs.
- Collaborated with global clients to address complex business challenges, creating tailored data-driven strategies that increased return on investment by up to 20% across diverse industries.

NANSC, Cairo **Data Services Officer Aeronautical Navigation** 2009–Present

- Analyzed complex air navigation datasets to deliver actionable insights, enhancing operational safety and supporting critical decision-making for stakeholders in high-stakes aviation environments.
- Identified and resolved communication bottlenecks through detailed data analysis, implementing solutions that strengthened safety protocols and reduced operational risks by 15%.
- Optimized mission-critical processes through systems analysis, improving efficiency while ensuring compliance with rigorous aviation safety and regulatory standards.

Education

Ain Shams University, Cairo, Egypt **B.Sc. Chemistry and Microbiology** 2004–2008

Projects

- Power BI Dashboard Portfolio:** Developed a series of interactive Power BI dashboards to visualize critical business metrics, enabling teams in industries like finance and retail to explore data, identify trends, and make informed decisions using intuitive, user-friendly tools that enhance strategic planning.
- Bankruptcy Risk Assessment (Poland):** Built a robust data pipeline and predictive model for a financial services client, achieving 25% higher accuracy in identifying at-risk businesses, enabling early interventions to minimize credit losses and support financial stability.
- Customer Segmentation (US):** Analyzed customer data to identify high-value segments for a retail client, implementing targeted marketing strategies that increased email campaign engagement by 15%, driving higher conversions and customer retention.
- Housing Price Prediction (Mexico):** Processed and analyzed 21,000 property listings to develop a precise pricing model, improving valuation accuracy by 18% to support informed investment decisions for a real estate firm.
- Earthquake Damage Prediction (Nepal):** Created a predictive model with 80% accuracy to forecast infrastructure damage for an NGO, enabling faster, more effective allocation of aid resources to impacted communities post-disaster.

Skills

- Data Strategy:** Predictive Analytics, Customer Segmentation, A/B Testing, Business Intelligence Reporting
- AI & Machine Learning:** Regression, Random Forest, XGBoost, Time-Series Analysis, k-means Clustering | Python (Pandas, NumPy, Scikit-learn), R
- Business Intelligence Tools:** Power BI, Tableau, Looker, IBM Cognos
- Data Management:** SQL, Google BigQuery, IBM Db2, ETL Pipeline Development
- AI Orchestration:** Microsoft Fabric Copilot, ChatGPT, Gemini

Certifications

- Data Analytics Professional Certificate, Google, 2023
- Advanced Data Analytics, IBM, 2023
- Advanced Data Analytics, Google, 2024
- Forward Program (Soft Skills and Problem Solving), McKinsey, 2024
- Business Intelligence, Google, 2024
- Applied Data Science Labs, WorldQuant University, 2024
- Cloud Data Analytics, Google, 2024
- Power BI Data Analyst Associate (PL-300), Microsoft, 2024
- Fabric Analytics Engineer Associate (DP-600), Microsoft, 2025

Languages

Arabic (Native), English (Fluent)