# Sameh Shehata Abdelaziz

BI & Data Analyst

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## SUMMERY

**Data Analyst with 15+ Years in Complex Systems**

Former aeronautical navigator with 15+ years of experience in complex systems analysis, now specializing in data analytics. Proficient in modern tools like Power BI, Tableau, and Looker, with a strong background in data wrangling, analysis, and visualization. Passionate about uncovering insights, optimizing operations, and building efficient data pipelines. Seeking to leverage my analytical skills and deep technical expertise in a data-driven role to drive business success across various industries.

## EXPERIENCE

**Freelance,**Data Analyst

2022 - Present

As a freelance data analyst, I now combine my extensive experience with Excel and Office Suite tools with proficiency in modern data analytics platforms like Power BI, Tableau, and Looker to transform raw data into actionable insights. I have worked on projects across various industries, helping clients tackle unique business challenges. My expertise spans data cleaning, exploration, analysis, and visualization, enabling clients to make informed decisions with confidence.

**NANSC [National Air Navigation Service Co.], Cairo,Egypt —Aeronautical Telecommunication Officer**

2- 2009 - Present

With over 15 years of experience as an ICAO Aeronautical Telecommunication Officer, I have a strong foundation in complex systems analysis and data-driven problem-solving. My extensive use of Excel and other Office Suite tools has equipped me to translate intricate data into actionable insights. This experience has sharpened my ability to identify patterns, solve complex problems, and implement data-driven solutions, making me a valuable asset in a BI and data analyst role.

## EDUCATION

**Bachelor's Degree in Chemistry and Microbiology**
**Ain Shams University**, Cairo, Egypt
Graduation Year: 2008

## PROFESSIONAL DEVELOPMENT AND CERTIFICATIONS

Coursera, Online

1. **Google Data Analytics Professional Certificate (November 20,2023)**
   **Courses and  Certificates Completed: (8 courses)**

   - ★ Foundations: Data, Data, Everywhere
   - ★ Analyze Data to Answer Questions
   - ★ Prepare Data for Exploration
   - ★ Ask Questions to Make Data-Driven Decisions
   - ★ Process Data from Dirty to Clean
   - ★ Data Analysis with R Programming
   - ★ Google Data Analytics Capstone: Complete a Case Study
   - ★ Share Data Through the Art of Visualization

2. **IBM Data Analytics Professional Certificate (November 13, 2023)**
   **Courses and  Certificates Completed: (9 courses)**

   - ★ IBM Data Analyst Capstone Project
   - ★ Data Visualization with Python
   - ★ Databases and SQL for Data Science with Python
   - ★ Python Project for Data Science
   - ★ Excel Basics for Data Analysis
   - ★ Data Analysis with Python
   - ★ Introduction to Data Analytics
   - ★ Python for Data Science, AI & Development
   - ★ Data Visualization and Dashboards with Excel and Cognos

3. **Google Business Intelligence Specialization Certificate (August 12, 2024)**
   **Courses and  Certificates Completed: (3 courses)**

   - ★ Foundations of Business Intelligence
   - ★ Decisions, Decisions: Dashboards and Reports
   - ★ The Path to Insights: Data Models and Pipelines

4. **Google Advanced Data Analytics Certificate (August 14, 2024)**
   **Courses and Certificates Completed: (7 courses)**

   ★ Google Advanced Data Analytics Capstone
   ★ Get Started with Python
   ★ The Power of Statistics
   ★ Regression Analysis: Simplify Complex Data Relationships
   ★ Go Beyond the Numbers: Translate Data into Insights
   ★ Foundations of Data Science
   ★ The Nuts and Bolts of Machine Learning

## McKinsey, Online

- **McKinsey Forward Program. (November 27, 2023)**

  McKinsey Forward teaches practical skills for future work success, including problem-solving, communication, adaptability, resilience, and digital literacy.

## Google Cloud Skills Boost, Online

- **Google Cloud Data Analytics Certificate (5 Courses) - (August 14, 2024)**

  This program trains cloud data analysts, technicians, and operations analysts. It covers SQL, data cleaning, analysis, visualization, and cloud-based data processing. Graduates can analyze data, communicate findings, and offer data-driven recommendations.

# PROJECTS:

## WorldQuant University, online

- **Applied Data Science Labs** (Issued Aug 2024)

  **Learners completed eight projects. Each project consists of four self-paced lessons, followed by an assignment that is programmatically graded. For each assessment, students must score 90% or better.**

  1. **Housing in Mexico:** Analyzed Mexican property prices using data from 21,000 listings
  2. **Apartment Sales in Buenos Aires:** Predicted Buenos Aires apartment prices with linear regression
  3. **Air Quality in Nairobi:** Forecasted Nairobi air quality using ARMA time-series model
  4. **Earthquake Damage in Nepal:** Predicted Nepal earthquake damage with logistic regression and decision trees
  5. **Bankruptcy in Poland:** Built random forest and gradient boosting models for Polish bankruptcy prediction
  6. **Customer Segmentation in the US:** Implemented k-means clustering for US consumer segmentation
  7. **A/B Testing at WorldQuant University:** Conducted A/B testing on email impact for WorldQuant University enrollment
  8. **Volatility Forecasting in India:** Developed GARCH model for Indian asset volatility forecasting

# SKILLS:

- **Data Analysis:** Statistical Data Analysis, Exploratory Data Analysis, Trend Analysis
- **Data Visualization:** Tableau, Power BI, Looker, Excel Dashboards
- **Programming & Tools:** SQL, Python, R, Pandas, Google BigQuery
- **ETL & Databases:** Extract, Transform, Load (ETL), Databases, IBM Db2, IBM Cognos
- **General:** Digital Transformation, Microsoft Office

## INTERPERSONAL SKILLS (SOFT SKILLS) :

- Problem Solving
- Adaptability and Resilience
- Communication
- Design Thinking
- Creative Thinking
- Agile Thinking
- Leadership
- Digital Transformation

## LANGUAGES:

- English (very good)
- Arabic (Native)