Khalid Abdelrazk

Data Analyst

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Summary

Data Analyst with 1 year of experience transforming data into actionable insights. Completed 7+ projects from data collection to visualization, improving decision-making efficiency by up to 40%. Currently leading an 8-member team on a Multi-Functional Healthcare Robot. Proficient in SQL, Python, Excel, Power BI, and data modeling.

Skills

- **Data Analysis & Visualization**: Power BI (Dashboards, DAX, Measures), Microsoft Excel (Pivot Tables, Advanced Formulas, Macros), Data Cleaning & Transformation, Data Storytelling, Interactive Charts, KPI Tracking
- **Programming & Data Handling**: Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly), SQL (Queries, Joins, Aggregations, Window Functions), Data Modeling, Exploratory Data Analysis (EDA), Statistical Analysis
- **Reporting & Insights**: Business Intelligence, Trend Analysis, Performance Metrics, Actionable Insights, Serialization, Error Handling, Data-driven Decision Support
- **Machine Learning & Analytics**: Feature Engineering, Data Preprocessing, Imbalanced Data Handling, Customer Segmentation Analysis
- **API & Backend Integration**: RESTful APIs (Dio, HTTP, JSON), Firebase (Authentication, Firestore, Realtime Database), Hive, SharedPreferences, Local Storage & Caching
- **Version Control & Collaboration**: Git, GitHub, Branching, Pull Requests, Code Reviews, Team Collaboration
- **Other Languages & Tools**: C, C++, Dart, Flutter, HTML, CSS, JavaScript, Jupyter Notebook, VS Code, Basic Linux Commands

Experience

1. **OneAinity — Part-Time Flutter Developer** *Jun 2025 – Nov 2025*
   - Developed and maintained cross-platform mobile applications using Flutter and Dart, implementing responsive UIs, state management (BLoC), and REST API integrations. Collaborated with the team to test, debug, and deploy features in production.

2. **IDH (Integrated Diagnostics Holdings) — Data Scientist Intern** *Aug 2025 – Sep 2025*
   - Worked on healthcare datasets by applying preprocessing, cleaning, and exploratory analysis. Built predictive models and customer segmentation analyses while supporting dashboard development to visualize trends and KPIs.

3. **NTI (National Telecommunication Institute) — Data Analysis Training** *Jul 2025 – Aug 2025*
   - Conducted exploratory data analysis (EDA) on real-world datasets and created performance dashboards using Python, Power BI, and SQL. Delivered insights on key performance metrics to support data-driven decision-making.

4. **2B Company — CRM Intern (Siebel)** *Sep 2024 – Oct 2024*
   - Assisted in managing customer data and customizing workflows within Siebel CRM. Supported troubleshooting, testing, and documentation, helping the IT team improve CRM efficiency and user adoption.

Education & Certifications

Bachelor of Engineering – Telecommunications Engineering (In Progress) **GPA 3.1**

Beni-Suef University, **Beni-Suef**

Expected Graduation: *June 2026*

Courses :

- **Data Analysis with Python (In Progress)**
  Vocat — Learning data manipulation, visualization, SQL, Database and analysis using Python libraries such as Pandas, NumPy, and Matplotlib.
- **Machine Learning (In Progress)**
  Self-paced — Covering supervised and unsupervised learning, model evaluation, and real-world applications of machine learning in data-driven decision-making.
- **Advanced Microsoft Excel for Engineers**
  Self-paced — Focused on formulas, pivot tables, data visualization, conditional formatting, and basic automation for engineering data tasks.
- **C Programming, Data Structures & Algorithms**
  Online Course — Strengthened foundational programming and problem-solving skills with arrays, linked lists, trees, and sorting/searching algorithms.
- **Flutter Mobile App Development**
  Route Academy — Training in building responsive cross-platform apps using Flutter, with hands-on projects and clean architecture patterns.

Projects

1. **IDH Daily Visits Analysis (Excel & Power BI):** Processed and standardized 100K+ branch records, created dashboards to track daily visits and unique percentages, which improved sales team efficiency by ~20%.
2. **IDH Test Delay Analysis (Power BI):** Analyzed 500K lab test records without preprocessing, built interactive dashboards to monitor delays by unit and stage, helping reduce turnaround time by ~15%.
3. **IDH House Call Prediction (Python & ML):** Developed predictive models on 1M+ imbalanced records using feature engineering and resampling, enabling better forecasting of house call requests and improving resource allocation by ~18%.
4. **Covid-19 Analysis (Power BI):** Cleaned and validated 400K records, built dashboards showing cases, recoveries, and vaccinations, optimizing data models to cut refresh times by 20%.
5. **Customer Churn Analysis (Python):** Cleaned churn dataset, performed EDA and segmentation, revealing high-risk groups (month-to-month, high charges, seniors) and guiding retention strategies.
6. **HR Employee Attrition Analysis (Python, SQL Server & Power BI):** Built a full data pipeline on 10K+ employee records, from cleaning and ETL to interactive dashboards. Key insights: R&D had the highest attrition (133), males aged 31–40 accounted for 24% of departures, and lower income & job level correlated with turnover. Dashboards helped HR improve retention and compensation strategies.

Collaboration & Development Approach

- Led development teams and delegated tasks across backend, mobile, and UI/UX.
- Led a Graduation Project team at NTI, coordinating members, defining milestones, and ensuring on-time delivery.
- Reviewed pull requests, contributed to sprint planning, and ensured consistent code quality.
- Shared knowledge through pair programming and onboarding new team members.

Languages

- Arabic : Native
- English : Conversational