

Abdallah Ibrahim

Data Engineer and BI

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Military service: Completed 12/2020 • Volunteering: More than 1 years • Willing to Travel: Yes

OBJECTIVE

As an experienced data with around **4 months** of professional training in **ITI** and virtual internship programs in Data integration and visualization, Business Intelligence, and Databases, I am eager to apply my expertise in designing, developing, and maintaining efficient Business Intelligence solutions including Databases, Data warehouses (DWH), Extract Transform Load (ETL), Data Visualization, confident in my ability to provide valuable insights and support data-driven decision-making for organizations.

EXPERIENCE

Business Intelligence Consultant (Freelance)

May 2024 - Present

(Freelance) | Remote

Design and monitor complex databases and Ensure a database is operational and provides valid and relevant data. Oversaw existing database management systems' operations, troubleshoot errors, and tune performance. Work with different developing teams to establish an efficient database system using Oracle. Craft and execute queries upon request for data, and present information through reports and visualization using Power BI.

Data integration and visualization (Professional Training)

Nov 2023 - Apr 2024

Information Technology Institute (ITI) | New Administrative Capital, Egypt

I gained expertise in designing and developing databases, data warehouse modeling, and implementing functions, stored procedures, and triggers. I also created Interactive Dashboards using MS Power BI, Tableau and Informatica Power Center and designed ETL and Data pipelines. For my graduation project, I received an excellent grade.

EDUCATION

Bachelor of CS. Faculty of Computer Science, CHI

2016 - 2020

Graduation Projects :

Design and implementation of a blind people intelligent system : Glasses equipped with a camera and a headphone installed to identify objects, read texts, identify currencies, and tell him the result in the headphone . **(Grade: A+)**

- Raspberry Pi

- Python

Design and implementation of IOT Smart secured system : A door with a camera attached to an application on the phone that is operated and controlled via the Internet It recognizes the face and identifies the QR code that is generated from the phone application and sent to the system and can be viewed directly from the camera. **(Grade: A+)**

- Raspberry Pi

- Python

- Android Studio

- Firebase

TECHNICAL SKILLS

SQL, PL/SQL, Oracle Databases, Python, Data Analytics, Business intelligence, Microsoft Power BI, Tableau, Data Visualization, Informatica Power Center, Redhat, Linux, Bash, ShellScripting Databases (development, administration, and tuning performance), Data Warehouse (DWH), Extract Transform Load (ETL), Data Engineering, Microsoft (Excel, PowerPoint, and Access), familiar with Big Data.

SOFT SKILLS

- Strong Analytical and Problem-Solving Skills
- Effective Communication and Presentation Skills

- Teamwork and Collaboration
- Time Management and Prioritization
- Adaptability and Flexibility
- Initiative and Self-Motivation
- Attention to Detail
- Positive Attitude and Willingness to Learn

CERTIFICATIONS

Hacker Rank Certified: SQL Basic, Intermediate, Advanced.	Nov 2024
Hacker Rank Certified: Python Basic, Intermediate, Advanced.	Nov 2024

COURSES

DATA ANALYSIS FOUNDATIONS From UDACITY (FWD).	Jan 2023 - Feb 2023
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LANGUAGES

- Arabic
- English

PROJECTS

- **DBMS using BASH SCRIPTING :** It's a program on **linux** that is used to create and access databases, and create and access tables within them and being able to edit, delete, and append data. [Link](#)
- **Data Management System for a University:** Created a relational database schema and designed an ERD for a university. Then implemented features using **SQL** and **PLSQL** which are responsible for updating student information such as their names, courses and so on. A **PLSQL** to calculate the student's GPA based on their credit hours and the courses' grades. Used bash script to backup the database, and to monitor disk space and system usage, where it sends alerts if exceeding threshold. Created a script to automatically check for anomalies.
- **IBM Attrition POWER BI Analysis:** Case Study where I delved into attrition rate by Department, Salary Category, Employees Survey and Satisfaction and other important factors. [Link](#)
- **Super Store Analysis using Tableau:** An interactive Tableau dashboard that provides insights into various key performance indicators (KPIs) and allows users to filter the data based on different dimensions.
- **Sales Performance Metrics using EXCEL:** Sales Analysis dashboard using excel to show the company metrics per year, month, region, and other factors. [Link](#)
- **Online Retail Using Analytical SQL:** Report uses customers' transactions data to gain insights into customer behavior and optimize sales, revenue, customer retention, and churn ,Tools & Technologies: SQL, Analytical SQL Functions, CTEs, Window Functions, Toad.
- **Processed data using Informatica:** Processed data of years from a store to check the year with least sales and check the least 2 sold products in that year, and amount of customers that bought these 2 products, and how many receipts included these 2 products.
- **Restaurant POWER BI Analysis:** Graduation Project where I analyzed the entire restaurant data, such as employees, customer evaluations, and employees' evaluations of the quantities inside the stores and when they were and peak hours There is something special about the design of the Dashboard that is there (Dark Mode , Light Mode) . [link](#)