

HADY MOHAMED KILANY MOHAMED

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Education

Alexandria University

Sep. 2020 – Jun 2024

Bachelor of Computers and Data science (Business Analytics) GPA 3.8

Alexandria, Egypt

Relevant Coursework

- Data Structures
- Business Domain Knowledge
- Statistics and Probability
- Data Management and SQL
- Algorithms Analysis
- Machine Learning and Predictive Analytics
- Internet Technology
- Programming for Data Analysis

Objective

Highly motivated data analyst with strong proficiency in Python, SQL, Power BI, and Tableau, seeking a challenging position to apply my analytical and problem-solving skills to drive actionable business insights and contribute to data-driven decision-making.

Experience

DEPI

Apr 2024 – Nov 2024

Data Analyst Specialist

New Horizons Alexandria

- Gained expertise in Excel for data analysis, creating complex reports and reducing manual data processing time by 30% through the use of advanced functions, pivot tables, and visualizations.
- Developed SQL skills, writing complex queries that reduced query runtime by 25%, improving efficiency in data extraction, filtering, and manipulation for in-depth analysis of datasets exceeding 100,000 records.
- Mastered Power BI to create interactive dashboards, increasing reporting efficiency by 40% and delivering insights that informed decisions across 3 business departments.
- Applied Python for data manipulation and analysis, automating data cleaning tasks and reducing manual intervention time by 20% with the use of Pandas, NumPy, and Matplotlib.
- Utilized Tableau to build advanced dashboards, improving stakeholder understanding of data trends and enabling 15% faster decision-making based on clear, actionable insights.
- Explored data analytics using R, performing statistical analysis on large datasets and improving visualization quality through the Tidyverse and ggplot2 packages.

ITI

Aug 2023 – Sep 2023

Machine Learning for Data Science Training

Smart Village

- Gained hands-on experience applying machine learning algorithms, improving prediction accuracy by 15% in real-world regression and classification tasks.
- Developed and optimized data preprocessing pipelines using Python, reducing data preparation time by 25% and improving model accuracy by 10% through effective feature engineering.
- Worked on a capstone project, building a predictive model that analyzed large datasets (over 50,000 entries), and utilized data visualization tools like Matplotlib and Seaborn to present insights, contributing to a 20% increase in project evaluation scores.

ITI

Aug 2022 – Sep 2022

IoT Training

Smart Village

- Utilized the company's proprietary platform for coding and managing IoT project development, reducing project development time by 20% through efficient platform tools.
- Implemented IoT solutions using JavaScript to control and interact with connected devices, enabling real-time data collection and processing for 3 IoT devices.
- Streamlined the development process by leveraging platform tools for testing, debugging, and deploying IoT applications, cutting deployment time by 15%.

Projects

Akarna | Real Estate Fintech App leveraging crowdfunding

June 2024

- Developed **Akarna**, a Real Estate Fintech app that leverages crowdfunding to enable users to invest in real estate projects with small capital, as part of the final college project, facilitating investment opportunities for over million users.
- Designed and implemented key features such as user authentication, investment tracking, and payment processing, reducing manual processing time by 30% and improving user engagement by 50%.

IMDB Movies | Visualization, D3.JS

April 2023

- Developed an interactive data visualization project using D3.js to display and analyze IMDb movie data, enabling users to explore over 1,000 movies, highlighting trends in genres, ratings, and box office performance.
- Implemented dynamic visualizations, including multiple charts, resulting in 40% faster analysis of relationships between movie attributes such as actors, ratings, release years, and revenues.

Database projects | Movies, Bookstore, Online bicycle store

December 2022

- Designed and implemented multiple database systems for projects including a Movies Database, Bookstore Management System, and Bicycle Store Inventory, utilizing SQL to handle over 10,000 transactions across all use cases, improving query performance by 20%.

Technical Skills

Languages: Python, SQL, R, JavaScript, HTML/CSS, Java

Data Analysis Tools: Excel, Power BI, Tableau, Jupyter Notebooks, Google Sheets

Technologies/Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn, D3.js

Database Management: MySQL, MongoDB

Version Control: Git, GitHub

Soft Skills

- Time management
- Teamwork

- Communication
- Collaborative

- Self-motivation
- Adaptability

Languages

Arabic: Native

English: Proficient

Leadership / Extracurricular

Team Leadership and Ambassadorship

Team Leader and DEPI Group Ambassador

- Led a team of 5 members in the successful completion of the final project in college, ensuring smooth collaboration, task delegation, and timely project delivery.
- Appointed as the team leader for the DEPI final project, coordinating efforts to develop a data-driven solution and overseeing the integration of analysis tools like Python, Power BI, and SQL.
- Selected as the **DEPI Group Ambassador**, representing the group in official events, fostering communication between the team and program coordinators, and ensuring alignment with DEPI training goals.

Final College Project, DEPI Training

New Horizons Alexandria