

Alaa Sayed gamil

Data Analyst - Machine Learning

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OBJECTIVE

Data Analyst and Machine Learning professional with expertise in data preparation, exploratory data analysis (EDA), and model deployment. Adept at leveraging machine learning and deep learning to solve complex problems and drive business outcomes. Seeking opportunities to apply data-driven insights for impactful decision-making.

EXPERIENCE

Artificial Intelligence Instructor, Coder | Egypt Feb 2024 – present

Deliver engaging curriculum on AI concepts for children, applying interactive activities and hands-on projects to encourage critical thinking and problem-solving skills.

Database & BI Developer, Select | Egypt Oct 2023 – present

- Developed optimized SQL queries and reports using Oracle, and created functions and procedures for development with PL-SQL.
- Designed and built dynamic dashboards for Telecom Egypt's Inventory Management System (IMS).
- Monitored server performance, managed tasks, retrieved raw data files, and handled software updates to ensure system stability and operational efficiency.

EDUCATION

Artificial Intelligence Trainee | 9-Month Postgraduate Diploma Mar 2021 – Jul 2022

Information Technology Institute ITI | Smart Village, Egypt

Completed projects focused on building advanced ML and DL models. Create interactive data visualizations.

Faculty of Computer and Information Science, Ain Shams University Feb 2017 – May 2021

Bachelor of Bioinformatics, VeryGood80%

Graduation Project: Breast Cancer Biomarker Identification Applied supervised learning algorithms to identify gene biomarkers for breast cancer treatment. After cleaning and preprocessing the dataset, and dealing with imbalanced data by using SMOTE (github.com/AlaaSayed164/Graduation_project_CV).

Projects

- **TED Talks Dashboard (Python – Dash, Plotly):** Created an interactive dashboard to analyze and visualize TED Talk datasets (github.com/AlaaSayed164/TED-Talks).
- **Bingo Database Dashboard (Power BI)** Designed a dynamic dashboard using Power BI to manage and analyze Bingo Store (github.com/AlaaSayed164/BingoDataBase.git).
- **Kaggle Competition: Item Price Classification (Python – ML):** Participated in a Kaggle competition to predict item prices using classification models. After cleaning the dataset, I employed one-hot encoding and label encoding to transform categorical columns into numerical, followed by splitting the data for training and testing (github.com/AlaaSayed164/PREDICT-ITEM-PRICE).

LANGUAGES

- Arabic: Native language

- English: Very Good

SKILLS

Programing languages: C++ | C | Java | Python | CUDA

Library Software/Python: Numpy | Pandas | Matplotlib | Plotly | Dash Plotly | Sklearn

Data Bases: SQL DataBase | NoSql DataBases

Data Analysis: Exploratory Data Analysis (EDA) | Data Visualization | Probability & statistics | Microsoft Power BI

Artificial Intelligent: Linear Algebra & Numerical Optimization | Supervised Learning | Unsupervised Learning