Ramzy Bakir

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WORK EXPERIENCE

Centro – Business Intelligence & Data Analysis Intern; Cairo, Egypt — September 2023 – October 2023
- Centro's Data Program.
- Hands on experience in utilizing Excel, PowerBI and Incorta.
- I was recognized as one of the top 3 interns due to my outstanding performance, which earned me a monetary prize.

Advansys ESC – RPA Business Analyst Intern; Free Zone, Cairo, Egypt — July 2023 - August 2023
- Attained expertise and valuable skills in RPA business analysis.
- Developed foundational skills in utilizing and understanding software such as UI Path.
- Created Process Definition Documents (PDDs) for approved automation projects.
- Initiated two processes for a client as part of a team effort.
- Led the initial phases of RPA implementation, which included data gathering and thorough analysis.
- Collaborated closely with the client to ensure a successful start to the automation projects.

Orange Egypt – Intern / Apprentice; Smart Village, Cairo, Egypt — April 2018 - May 2018
- Explored and comprehended various company departments.
- Required to deliver a project involving 2 juries' experiences.
- Project results contributed to final grades, attained a flawless score on the project presentation.

EDUCATION

EUI | Faculty of Computing and Information Sciences — New Administrative Capital, Cairo, Egypt
Bachelor's degree — November 2022 – Present
- Relevant Coursework: Introduction to Computing and Programming, Programming Fundamentals, Calculus I, II, Digital Design and Logic, Critical Thinking, Data Structures, Introduction to Probability and Statistics, Computer Architecture and Organization, Computational Linear Algebra.

IEEE EUI Computer Society SBC | Data Science Boot Camp — Remote
Boot Camp — August 2022 – October 2023
- Distinguished as a top-performing team member, ranking among the top 3 teams in the Boot Camp's Machine Learning competition hosted on Kaggle.

Lycée Simone de Beauvoir / Collège de la Salle — Cairo, Egypt
French Baccalaureate — September 2008 – July 2022
- French baccalaureate graduate, with a general average in the BAC of 14,78.

SKILLS & CERTIFICATES

- **Programming Languages:** Python, R, C, C++, SQL
- **Data Science & Machine Learning:** Python Libraries: NumPy-Pandas-Seaborn-Matplotlib-Scikitlearn-XGboost- KNN-Decision Trees- Linear Regression-SVM | R: Tidyverse, gg2plot | Jupiter Notebook, Google Collab, Excel, LaTeX, Power BI, Tableau, Incorta.
- **Languages:** Arabic native proficiency, English & French fluent proficiency, German conversational proficiency
- **Certificates:** Data Scientist with Python - Datacamp | Machine Learning with Python – IBM | Data Analyst with Python | Introduction to Data Science - Cisco Networking Academy | Data Analytics Essentials - Cisco Networking Academy | RPA Business Analyst Foundation - Ui Path | Data Analysis with R - IBM | Introduction to R Programming for Data Science - IBM

PROJECTS & PUBLICATIONS

Coffee – Bakery Shop Sales Dashboard — *Power BI*
Business Intelligence, Data Analysis, Visualization and Manipulation — October 2023
- This was the case study for my BI/DA internship @Centro.
- Three pages: Homepage, Bakery Analysis Tab, and Store Performance Tab.
- Mobile-responsive and interactive design.
- Aesthetic theme with golden and brown colors, enriched with visual images.
- The project incorporates a variety of visuals providing insights and information on store performance.

Ames Housing Price Prediction with Advanced XGBoost Regression — *Python 3*
Data Analysis, Visualization and Manipulation — September 2023 – October 2023
- The project utilizes various Python packages and libraries.
- Handled missing data using multiple techniques e.g.: Imputation, mode, etc.
- Applied Ordinal Encoding & One-Hot Encoding methods for data conversion.
- Performed an extensive exploratory data analysis (EDA) utilizing histograms, scatter plots, box plots, and heat maps.
- The project employs machine learning models for prediction, focusing on XGboost.
- Ranked among the top 3 teams where the submission files achieved a public score of 0.12374.

Exploring Shark-Human Interactions in the MENA Region — *Python 3*
Data Analysis, Visualization and Manipulation — July 2023 - August 2023
- Utilized Python and key libraries (NumPy, seaborn, matplotlib) for MENA shark-human interaction data analysis.
- Employed robust data manipulation and cleaning techniques.
- Visualized data to unearth trends and insights in the Global Shark Attack File database.
- Identified patterns in shark attacks.
- Provided valuable input for enhancing safety measures and conservation strategies in the MENA region.

Library Management System, *Object Oriented Programming, C++* — April 2023 - May 2023
Student Management System, *File Handling, User Authentication, User Interface, Database Integration, Python 3* — Decembre 2022 - February 2023

❖ You can access all the aforementioned project details, including source code and documentation, within my GitHub repositories via the following link: https://github.com/RamzyBakir?tab=repositories