Sheref Hamdy
Data Analyst

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 https://github.com/Sheref10   in https://www.linkedin.com/in/sherefhamdy10

Experience

05/2024 – 09/2024
Ismailia, Egypt

Data Engineer Intern, *Information Technology Institute (ITI)*
- Gained hands-on experience with data pipelines, ETL processes, and big data technologies.
- Built a solid foundation in data modeling, SQL, and cloud-based data solutions.

10/2023 – 11/2023
India

AI Engineer Intern(Remote), *Coding Samurai* 🔗
- Developed IMDB movie review sentiment analysis using NLP techniques, including a bag-of-words model and vectorization, to assess movie quality based on user reviews.

02/2022 – 05/2022
Singapore

Data Scientist Intern(Remote), *Sparks Foundation* 🔗
- Automated ML pipeline and Conceived a customer clustering system.
- Applied regression techniques and built a churn prediction model with 95% accuracy.

01/2019 – 01/2022
Beni Seuf

Graphic Designer, *Medical Coders Community (MCC)*
- Crafted visuals for print, web, and social media for the MCC Page, Designed logos, brochures, and graphics, and Collaborated with MCC clients to meet design goals.

Education

2018 – 2022
Beni Seuf, Egypt

Bachelor of Computers and Artificial Intelligence, *Beni Seuf University*
- Grade: Very Good with Honors (B+), Percentage: 82,5%
- GPA: 3.15 out of 4 , Graduation Project: Excellent with Honors (A+)

Projects

Real-Time Fraud Detection System, *ITI Graduation Project*
- Built a real-time fraud detection system on Google Cloud Platform (GCP).
- Utilized Kafka for data streaming, Google Dataflow for ETL, and Google Dataproc with Apache Spark for data transformation and machine learning.
- Integrated BigQuery for analytics and Power BI for visualization.
- Managed orchestration with Cloud Composer and implemented monitoring using Cloud Monitoring.

Tooth Decay Detection, *Graduation Project* 🔗
- Initiated an innovative system using deep learning and computer vision to detect tooth decay from dental X-rays.
- Trained a CNN model on real dental data, created a Flutter app with Dart, and deployed using Flask, achieving 90% accuracy.

Global terrorism analysis
- Analyzed and visualized terrorism data using Python with Pandas, NumPy, Matplotlib, and Seaborn.
- Found trends and created insightful visualizations to uncover patterns in attack types, geographic impacts, and temporal trends.

Q1 2019 Sales Report
- Developed an interactive Power BI dashboard to provide a comprehensive analysis of key sales metrics for Q1 2019. This dashboard enables stakeholders to quickly interpret critical insights and make data-driven decisions.

Skills

Programming Languages
- Python, C++, SQL; R, Java, C#

Software Engineering
- OOP, Data Structures, Algorithms, Problem-solving

Data Engineering
- Data Warehouse, Data Modeling, ETL (SSIS,Pentaho), Hadoop, Hive, Spark, Kafka, PySpark, Apache Airflow, Elasticsearch

Databases
- SQL Server, MongoDB, Cassandra, Redis, Neo4j

OS
- Linux, Bash Scripting

Tools
- Pandas, NumPy,Matplotlib, Git, GitHub, CI/CD, Docker, Grafana,K8s, Power BI

Cloud Platforms
- AWS, Microsoft Azure

Courses

AWS Cloud Foundations
AWS Academy

AWS Data Engineering
AWS Academy

Machine Learning Nanodegree
Udemy

HCIA-AI V3.5
Huawei Talent

Android Development
Information Technology Institute (ITI)

Data Analysis Professional
Egypt FWD

Activities

Beni Seuf, Egypt   **ICPC Beni Seuf,** *Coding Challenger*

Beni Seuf, Egypt   **Medical Coders Community (MCC),** *Software Instructor*

Languages

Arabic (Native)   **English (Fluent)**   **German (Beginner)**   **Spanish (Beginner)**