



Hussam Elnemr

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Data N/A

SUMMARY

Dedicated Computer Science student specializing in AI, with hands-on experience in big data, data analysis, and AI-driven projects. Proven ability to apply problem solving skills to real-world challenges. Looking to contribute to innovative tech solutions.

EDUCATION

Kafrelsheikh University

Faculty of *Artificial Intelligence* (Bachelor of *Artificial Intelligence*).

Sep. 2021 – Present

GPA: 3.1

PROJECTS

LSTM Stream Prediction | PySpark — tensorflow [Github Repo](#).

August 2024

- Implemented an LSTM model for time-series forecasting, applying necessary data transformations.
- Integrated PySpark Streaming to generate real-time predictions upon new data arrival.
- Designed a pipeline where predictions are continuously updated using new files and prior forecasts.

TMDB-Scraping | Python BS4 - Web Scraping [Github Repo](#).

August 2024

- Built a Python scraper to extract filmography data for actors/directors from TMDB.
- Developed a Python script that retrieves movie details and cast information.
- Implemented data cleaning techniques, ensuring data quality for further analysis.

Automated BI-Axiora | LangChain - SQLAlchemy [Github Repo](#).

April 2024

- Developed coding and data analysis agents using LLMs to automate tasks.
- Designed and implemented a database using ORM, integrating essential application operations.
- Led a team, managing project tasks, coordinating development efforts, and ensuring timely delivery.

ACHIEVEMENTS AND RELEVANT EXPERIENCE

- Qualified for **ECPC 2023** Day 2 Finals.
- Built a solid foundation in **Machine learning** and **Deep learning**, applied in multiple projects.
- Contributed to various **Data engineering** and **Data analysis** projects including mentioned above in projects section.
- Proficient in **Data manipulation and management** with experience solving [LeetCode](#) challenges.
- Actively involved in student communities for over a year and a half as **IEEE** and **MLSA**(Microsoft Learn Student Ambassadors) as a database mentor and data engineer in the technical apartment.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java, C++
- **Database:** MySQL, SQL Server, SQLite, SQLAlchemy, Python connectors.
- **Data Exploration:** PySpark, NumPy, Pandas, Matplotlib, Seaborn, Beautiful Soup 4.
- **Machine Learning & Deep Learning :** Scikit-learn, TensorFlow/Keras, OpenCV, NLTK, LangChain.
- **Development Tools:** Visual Studio Code, Jupyter Lab, Terminal, Power BI, GIT.

COURSES

Digital Egypt Pioneers Initiative (DEPI) – Data Analyst Specialist

June to Oct. 2024

- Applied multiple real world data analysis projects
- Developed interactive **Power BI** dashboards and used **Power Query** for ETL processes.
- Designed and optimized **SQL** queries for data extraction and analysis.
- Utilized **Python** for data analysis, visualization, and automation.

ODC Big Data Level 2

sept. to Oct. 2024

- Worked with **Hadoop** and Hive for large-scale data warehousing.
- Used **Pyspark** libraries like(Stream, MLlib).
- Gained experience with NoSQL databases for scalable data storage

LANGUAGE SKILLS

- **Arabic:** Mother Tongue.
- **English:** B2 (Achieved Level 7 / Level B1.3 on the CERF scale on Berlitz Online Placement Test in English).