ALI ABD ELRHMAN

DATA SCIENTIST

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SUMMARY

Data scientist intern at Giza systems, after graduating with a bachelor's degree in computer science from Ain Shams university, marks a significant milestone in my professional journey. Building on my expertise in Data science, I aim to deliver impactful data driven solutions.

WORK EXPERIENCE

Intern, Giza systems (sep.2024 – present)
- Working as a data scientist on real world data science projects to deliver data driven solutions by applying what I have learned in data science, Machine learning, Deep learning concepts.

Instructor, ISchool (June 2024 – Present)
- Teaching children from grades 4 to 6 the basics of programming concepts across various programming languages, including Python, as part of the first and second intake of the DEMI program.

EDUCATION

Bachelor of Computer and Information Science, Ain Shams University, Cairo.
- **Graduation time**: June 2024.

EXTRACURRICULAR ACTIVITIES

Trainer, Robotech ASU Summer Training (JOCT.2020-Jun.2024)
• Instructed students in microcontroller programming, focusing on Arduino UNO and nodeMCU, and conducted around 12 seasonal training sessions on robotics&IOT concepts, applications, and protocols.

PROJECTS

TalkTact (GP)
- Language/Tools: Flutter, NLP, Python
- Concepts: Chatbot Development, English Language Practice, Deep learning(GitHub)

Time Series Forecasting Task
- Language/Tools: Python (pandas, NumPy, Flask), ML Models.
- Concepts: Time Series Forecasting, Feature Engineering, API Development. (GitHub)

Hate Speech Detection
- Language/Tools: Python (scikit-learn, Word2Vec, VADER, NLTK, pandas, NumPy, TensorFlow).
- Concepts: NLP, Text Preprocessing, TF-IDF, Word Embeddings, Sentiment Analysis(GitHub)

NYC Taxi Fare Prediction
- Language/Tools: Python (NumPy, pandas, seaborn)
- Concepts: Machine Learning (Regression), Data Preprocessing, Django deployment(GitHub).

Market price prediction
- Language/Tools: Python, Pandas, NumPy, Matplotlib, Time series split, LSTM, Scikit-learn.
- Concepts: ML, EDA, time series model building and evaluation.(GitHub)

sentiment Analysis for Movie Reviews
- Language/Tools: DL(NLP), scikit-learn, pandas, cre, spacy, NLTK, Pandas, NumPy, Seaborn.
- Concepts: DL(NLP), Preprocessing, Data visualization, text vectorization(GitHub)

Chatting app project
- Language/Tools: Python, PyQt GUI, MySQL.
- Concepts: Data Structures, Object-Oriented Programming, GUI Design(GitHub)

IoT Weather Station Prototype
- Language/Tools: Arduino, ESP32 microcontroller.
- Concept: IOT robotics project(GitHub)

SKILLS

- problem solving
- Docker
- Leadership
- Communication
- Python/ Git
- Teaching
- Scikit-learn/pytorch
- Tensor flow/Keras
- Pandas/NumPy
- Matplotlib/seaborn