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.

Intern, Mentorness (May2024-Jun.2024)
- Worked as a data scientist, with 3 tasks including 2 ML projects, a classification project and a time series project, and a theoretical task to enhance presentation skills, and a final test.

Intern, Cellula Technologies (August 2023 - October 2023)
- Functioned as a Data Scientist, leading 2 end-to-end projects from data preprocessing to model deployment.

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 training sessions on IoT concepts, applications, and protocols.

Volunteer, Resala Charity (2015 -present)
• Contributed to charitable initiatives by providing food and delivering essentials to the underprivileged through 7 years as a volunteer and a team leader.

Organizer, IEEE FCIH Branch (Oct.2020-Sep.2021)
• Worked as a Public Relations member, contributing to the organization of a programming hackathon, and successfully attracted sponsors and advertisers for the event, including prominent involvement from YOUM7.

PROJECTS

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

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

Disease prediction
• Language/Tools: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn.
• Concepts: ML, preprocessing, model train and test, Grid search, Ensemble method, SMOTE.(GitHub)

Hotel Booking Prediction
- Language/Tools: Python (pandas, NumPy, matplotlib, seaborn, JobLib, Sklearn)
- Concepts: ML (Classification), Data Preprocessing, Flusk 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)

Mega Store Profits Prediction

- Language/Tools: Python, pandas, scikit-learn
- Concepts: ML, Data preprocessing, ensemble learning(GitHub)

Bank loan prediction
- Language/Tools: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn.
- Concepts: ML, EDA, model building and evaluation.(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)

COURSES/ACHIEVMENTS

ML Specialization - Coursera
- Supervised Machine Learning: Regression and Classification
- Advanced Learning Algorithms
- Unsupervised Learning, Recommenders, Reinforcement Learning

DL Specialization - Coursera
- Neural Networks Fundamentals
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization, and Optimization.

Data Analysis Track - DataCamp
- Mastered data analysis and visualization techniques in Python through comprehensive courses

Web Development Track - Beta Academy
- Acquired skills in web development to deploy Machine Learning and Deep Learning projects effectively.

Trainee, NTI, ITIDA AI Summer Training
- Acquired comprehensive knowledge of AI principles, including data analysis, fundamental machine learning, and deep learning algorithms, through 90 hours of technical sessions with 30 hours of soft skills training over 2 months, 6 days a week.

Trainee, ITI Cyber Security Summer Training
- Gained insights into network, Windows Server, CentOS Linux, and defensive hacking tools during a 120-hour training program spanning 4 consecutive weeks.

Trainee, ITIDA, TIEC Training
- Gained insights into kickstarting a career with a startup, understanding product advertising, and exploring the intersection of computer science and business.

SKILLS

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