

Ahmed Mahmoud

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EXPERIENCE

Data Scientist Intern

SHAI

Aug 2022 – Jan 2023

- Working in a team on different types of data and models, including regression, clustering classification and deep learning
- lectures to develop new skills.
- Participated in and submitted multiple projects on Kaggle website..Leveraged how many tweets to develop sentiment analysis model
- helped improve sales and marketing strategies.
- Created machine learning models with multiple python libraries including scikit learn , tensorflow and NLTK.
- Machine Learning and Deep learning techniques for various purposes
- **Technical Skills:** NLP, Flower, Transformers(Bert, mMiniLM), LSTM, PyTorch, Tweepy, Snsrape.

Technical Content Writer

Eqraatech

Jun 2023

- Write a series of blogs that simulate the latest tech trends and the most important topics related to data science
- Technical Skills :** Data Management · Communication · Machine Learning · Data Visualization · Data Science

EDUCATION

Faculty of Computer science and Artificial intelligence

USC

Jan 2020 – Feb 2024

Courses : OOP , C++ , Mathematics , Algorithm,Data Structure , Data Analytics , OS ,Machine Learning, Deep learning supported by multiple projects. **CGPA: 3.7**

Bussiness Intelligence Track

ITI

Aug 2023 – Oct 2023

Courses: Performance Of Enterprise data , Advantages Sql Server, Knowledge Of Big Bata Concepts , Use Of Sql, Power BI Tableau bi visualization , Physical Bata Modeling Concept

TOP PROJECTS

Maze Solver (DELL Hacktion 2023)

The hackathon is divided into two phases, the first or initial phase, and a final phase.

- **Initial Phase:**

The testers will all be trying to solve one maze, trying to rescue as much as of rescue items that fall through their exploration to exit the maze

- **Final Phase:**

In the second phase, the tester should be able to solve other teams' phases, to enter the final phase, each tester must first:

- Pass the initial phase
- Submit a "Valid" maze
- His agent must be able to solve his own submitted maze

Technical Skills: TensorFlow , DQN , BFS , Q-Learning, SARSA.

Analyzing customer behavior (Recommendation system)

- Statistical analysis to find the correlation between views number, add to cart number, and orders number.
- Predictive analysis to predict future visitor purchase behavior according to their views.

- Show what previous visitors bought together to new visitors while they are currently viewing some items.
- **Technical Skills:** Logistic Regression, XgBoost, LightFM, Matplotlib, Seaborn, Overleaf, LaTeX.

Wish.com Product Rating Prediction

- Know what sells and what does not so you can look for correlations regarding the success of a product.
- Exhaustive Data visualization, Data cleaning, and feature engineering of hundreds of features for model prediction with hyperparameter tuning of different models for rating prediction.
- **Technical Skills:** Decision Tree, Naive Bayes, SVM, Plotly, Grid, Random search, Smote oversampling, Plotly

Other Projects

- COVID-19 Outcome Prediction
- Fake Reddit Prediction
- Predicting the next word using RNN
- Deep learning based end-to-end speech recognition

CERTIFICATES

- Advanced Data Analysis Nanodegree Program
- Advanced Learning Algorithms
- HCIA-AI ,Huawei ICT
- Google Data Analytics
- Neural Networks and Deep Learning , Natural Language Processing Specialization Offered By Deep Learning.Ai (in progress) from Coursera

SKILLS

Programming Languages : (Python, Java , C++(basics)),

Libraries & Platforms: (TensorFlow, Keras, Scikit-learn, Pandas, Seaborn, Matplotlib, Sklearn, SciPy, PyTorch, NLTK, AutoML, Numpy ,OpenCV.),

Concepts & Technologies : (Art Machine Learning Algorithm , Problem Solving, Algorithm, Data Structure, Machine Learning , Git , SQL, Proficient Understanding Of Time Series Analysis ,Significant Amount Of Data ,General Professional Software Development Experience)

AWARDS

 **1place in Hackathon Aou Ai @Google**

 **3place in Hackathon google in Auc • GDG**

 **TOP 5 and win the best-engaged team award in Dell Technologies hackathon (HackTrick) professionals' track**

 **Top 3 IEEE's Victoris data science competition @IEEE**

- it consisted of 2 phases, filtration phase with only 10 qualifying teams and was on building a prediction system, and a final phase that was on building an image classification deep learning model for such challenging dataset.
- Part of the final phase score was granted through a 7 min pitching made to interpret the life cycle we went through out the project along with our proposed model.

 **Top 4 DevFest Solution Challenge Hackathon IN CIC @GDG**

 **Top 10 over 50 team in Attaa digital hackathon**

- The first program of the agreement with IESCO.
- - It is a technical event that aims to spread the culture of creativity, innovation and teamwork to reach the creation of Arab educational content in the technical field that serves the digital society. The Arab Islamic is one of the members of the organization and motivates other countries to host the tender in the member states, at the end of August 2022, which lasted for three days.