Salma Ahmed Mahmoud Sengab

[salmaahmedsengab@gmail.com - www.linkedin.com/in/salmasengab]

[https://github.com/SalmaSengab]

[+20 1029968633] [Cairo, Egypt]

Objective

- Driven fourth-year student in the College of Computers and Data Science, specializing in data science. Eager to leverage my expertise in data science, data analysis, and machine learning to propel my career forward. Seeking opportunities to apply my knowledge and acquire new skills in a dynamic work environment.

Education

- Faculty of Computers and Data science.   [2020|2024]
  - Department: Data science.   [level 4 |Semester 8]
  - CGPA: 3.19

- Graduation Project [Behind the voice].
  - Using Speech Emotion Recognition in customer service field to measure the agent performance by analyzing the call and classified the emotion of customer.
  - Technologies used: Audio preprocessing [pydub, Librosa, Noisereduce], MEL spectrogram,
  CNN [TensorFlow, keras, Sklearn].
  - First discussion grade: A

Summer Training

- AI summer training at Digital Hub   [Jul 2023 | Sep 2023]
  - [Artificial Intelligence Overview, Python for ML, Deep Learning, Data modeling, Deep learning algorithms (RNN, CNN), Intro to Computer Vision (Image and video processing), Intro to NLP and Speech Recognition, creating a chatbot].
  - **Grade: A-**
- Data Science summer training at Sprints.   [Jul 2022|Sep 2022]
  - [Introduction to Statistical Analysis and Inferential Statistics, data visualization, introduction to machine learning, introduction to big data, and introduction to time series analysis].
  - **Grade: A-**

Technical skills

- Programming languages: Python, R, SQL, java, C++.
- Data Preparation: Pandas, numpy.
- Data Visualization: Power Bi, Matplotlib, seaborn, Plotly.
- Statistical Analysis: Descriptive statistics, Inferential statistics, hypothesis testing.
- Databases: Microsoft SQL.
- Machine Learning: Supervised learning, Unsupervised learning.
- Machine Learning frameworks: Scikit-Learn, Pytorch, TensorFlow, Keras.
- Mathematics: Linear algebra, Calculus.
- Concepts: OOP, Data Structures, RDBMS, Operating systems, Agile.
- Tools: Git, GitHub.

Relevant courses

- Power Bi course, Pavan Lalwani.   [Aug 2023|Nov 2023]
- Machine Learning with Andrew Ng, Coursera.   [2022|2023]
- Data Science with python, DataCamp.   [Jan 2022| Dec 2022]

Projects

- Analyz Job Market Data in Power BI.
  - Analyzed "job-postings" dataset, to answer questions like: What is the most in demand job in the labor market? And what skills are most needed? What is the average salary in data science industry?
  - Using: DAX formulas, Power query.

- Classified breast tissue (malignant, benign) in python.
  - Using: Logistic Regression, KNN, Gaussian Naive Bayes, Support Vector Classifier, Random Forest Regressor.

- Predicted the wage.
  - Analyzed the "wage" dataset to predict the wage column in python.
  - Using: pandas, numpy, Linear Regression.

- Predicted the country distention in "Airbnb" dataset.
  - Data Analysis using python [pandas, numpy].
  - Using: KNN, Decision tree.

- Analyzed "gapminder" dataset to get insights.
  - Data preparation in python.
  - Using: matplotlib, seaborn, plotly.

- Predicted California Housing prices.
  - prepare "California Housing Prices" dataset in python [pandas, numpy].
  - Using: Linear Regression.

Volunteering work

- Human resources management member, TEDx Alexandria university.   [2021|2022]
  - Evaluating staff's performance, responsible for Operation committee staff.
  - Creating a suitable and motivating environment.
  - Follow up and implement the system and rules.
  - Providing feedback to develop the members.
  - Documenting activities.
  - got best performance.
- Human resources management member, HackerRank FCDS.   [2020|2021]
  - conduct interviews and select the fit student in the course.
  - Evaluating participants' performance.
  - Providing feedback to develop the participants.
  - Documenting attendance.
  - got best member.

Languages and soft skills

- **Languages:** Arabic [Native], English: very good [Reading, Writing, Listening, and speaking].
- **Soft skills:** Presentation skills, communication skills, Time management, flexibility, and teamwork.