# Somia Ashraf

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## Professional Sumary!

Dedicated and results-driven Computer Science graduate with hands-on experience in AI, Data Science, and Machine Learning.**P**roven ability to apply academic knowledge to solve real-world problems in AI-driven solutions and data analysis. Skilled in programming, data visualization, and cloud technologies (Azure, AWS). Seeking a Data Science Intern position to leverage technical skills in machine learning, data analysis, and AI to contribute to innovative projects.

## Education

Bachelor of Computer Science, Benha Faculty of Computer and Artificial Intelligence. | GPA: 3.5/4. Sept 2020 – June 2024

- **Key Courses:** Data Structures, Machine Learning, Cloud Computing, AI Algorithms, Azure and AWS.

## Professional Experience

**Creativa, Hub Monofia – Data Analysis Intern** July 2022

- Worked with a team to analyze and clean data for various projects, improving data quality for machine learning applications.
- Python, data visualization tools to produce insightful reports for clients.

**InnovEgypt, Hub Monofia – Data Analysis Intern** July 2023

- Completed 45-hour training course in data analysis techniques and machine learning models. .
- Collaborated on a final project involving machine learning algorithms for a potential startup

**Zewail, October – AI Training Program** July 2023

- Completed 50 hours of AI training, focusing on model training, evaluation, and optimization.
- LSTM networks, classification models for real-world AI applications.

## Projects

**EEG Attention Classification** kaggle.com/code/somiaashraf/eeg-attention-classification/edit

- Developed a machine learning model to classify attention levels from EEG data using frequency bands. Applied preprocessing techniques to clean data and enhance model performance
- Tools Used: Python

**Data Science Project** kaggle.com/code/olaeidaboelwafa/datasci project

- Led a team to analyze a dataset, perform exploratory data analysis (EDA), and create visualizations to reveal trends. Built predictive models and validated them for accuracy.
- Tools Used: python

**Egyptian Pound Classification** kaggle.com/code/somiaashraf/egyption-pound-classification

- Implemented a computer vision model to classify Egyptian currency notes using a poor-quality dataset. Applied image preprocessing techniques, including augmentation, to improve model accuracy.
- Tools Used: CV, python

## Technologies

**Languages:** C++, C, Java, SQL

**Skills:** Data Analysis: Pandas, NumPy, Matplotlib, Seaborn Machine Learning: Classification Models, Supervised and Unsupervised Learning Cloud Technologies: Azure, AWS Tools: Jupyter Notebooks, GitHub, Kaggle AI Algorithms: Neural Networks, Decision Trees, SVM Soft Skills: Teamwork, Problem-Solving, Time Management, Communication