Yassmen Youssef Ramadan

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Objective:

To secure a challenging role that leverages my skills and experience in the field of AI, enabling me to contribute to the development of cutting-edge technologies.With a solid foundation in AI and a passion for staying up-to-date with the latest industry trends, I am a hardworking and enthusiastic individual with a strong aptitude for logical and analytical thinking, and I am eager to apply my expertise to create innovative solutions that drive business success.

Education:

2016 – 2021 Bachelor Degree of Electronics and Communication Engineering: Cairo University

Projects:

- **Business Intelligence Dashboard:** Created a comprehensive business intelligence dashboard for the Talentino app utilizing LangChain and GPT technology. Leveraged LangChain chains to derive insights from BigQuery data, generating dynamic SQL queries to populate interactive reports and charts in Looker Studio, enhancing data-driven decision-making capabilities within the organization.   May 2024

- **Multimodal Speech Emotion Recognition:** Developed a robust Multimodal Emotion Recognition system that integrates audio and visual data to accurately identify human emotions. Utilizing state-of-the-art technologies, I employed Wav2Vec2 for processing audio signals and 3D ResNet for analyzing video frames. This approach enables the model to capture intricate nuances in both sound and visual expressions, thereby enhancing overall recognition accuracy.   Apr 2024

- **NTI GP, Face Verification and Anomaly Detection:** Our project can be divided into two primary components. In Part I, we developed a face verification system for a smart home. This system involves capturing an image of a person's face, either using a camera or a smartphone, and comparing it to a pre-registered image to grant or deny access to the home. In Part II, we implemented surveillance cameras in public areas to monitor and enhance overall safety and security. We utilized the UCF crime DataSet to train the system in various scenarios.   May2023

Experience:

- **AI facilitator at Samsung Innovation Campus**   Jul 2024 - Nov 2024
  - Delivered tailored support to 30+ students, assessing their performance and engagement during interactive sessions.
  - Designed and fostered an engaging learning environment, emphasizing the practical application of ML concepts.
  - Facilitated collaborative activities, enhancing students' understanding and retention instructional content.
- **R&D AI Engineer at Arete Global**   Jun 2023 - Aug 2024
  - Worked on multiple tasks including Day-night Classification and QUEST Q&A Labeling.
  - Led research based on Multimodal Speech Emotion Recognition.
  - Built dashboards and reports, performed data analysis, and utilized ChatGpt and LangChain to enhance automation and workflows.
- **AI trainee at National Telecommunication institute**   Feb 2023 - May 2023
- **AI trainee at Samsung Innovation Campus**   Jul 2022 - Nov 2022

Courses:

- Generative AI with LLMs at Coursera   Jul 2023
- Intro to Deep Learning with PyTorch at Udacity   Jun 2023
- Deep learning specialization at Coursera   Dec 2020
- Machine learning specialization at Coursera   Oct 2020

Technical Skills:

- Machine learning
- Data Analysis
- PyTorch
- Numpy & Pandas
- Web Scraping
- Speech Recognition
- LLM Prompt Engineering

- Deep learning
- Computer Vision
- Keras & TensorFlow
- LangChain
- NLP
- Video Preprocessing
- TTS

Languages:

- **Arabic**: Native language
- **English:** upper intermediate level