Abdulrahman Elsayed Hassan

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Summary

I'm a highly motivated Computer Science student at Zewail City University, passionate about uncovering insights from data and using programming languages like Python and C++ to solve real-world problems. I have a strong grasp of artificial intelligence concepts and thrive on making complex data understandable. I love teaching and sharing my knowledge, especially with young learners also, I love combining theory with real-world applications to solve problems. With a solid background in statistics, programming, and visualizing data, I'm excited to contribute to cutting-edge projects in data science and artificial intelligence.

Education

Data science and Artificial intelligence

Zewail City for Science And technology Giza,   06/2026

Skills

Python, Data Science, web scraping, c++, SQL, Database Management, Technical Writing, Data Analysis, AI, Teaching Experience, Development, Coding, Web Development, Minecraft

Projects

- **Airline Management System**

   A user-friendly web application using C# programming language with ASP.NET framework, HTML5, CSS, and SQL Server as the backend database management system. The application allows users to seamlessly book, cancel, and modify their flight reservations.

- **Sales Analysis Interactive Dashboard**

   A flask web-based interactive dashboard demonstrating sales of a travel agency to help stakeholders make decisions based on the results that the dashboard shows using AM charts CSS and python

- **Hotel Management system**

A comprehensive console-based application using C++ programming language to facilitate hotel owners in managing their hotel operations, staff, inventory, and customer invoices efficiently.

- **Brain Tumor Detection**

   A cell-based project leveraging OpenCV (cv2) to augment a dataset of grayscale medical images. Employed advanced techniques like cropping, flipping, and rotation to enrich dataset quality and diversity. Generated precise masks for tumor identification and localized tumors within images, significantly enhancing diagnostic capabilities for medical professionals.

- **Text-Based Search Engine**

Developed a custom search engine for efficient retrieval of information from a corpus of text documents.
Implemented core components: data collection, preprocessing (tokenization, stemming/lemmatization, stopword removal), indexing (inverted index), and query processing (TF-IDF ranking).
Enhanced query capabilities with relevance feedback, query expansion using synonyms and word embeddings (ELMo, BERT).
Built a Flask-based user interface for query input and result display.
Evaluated search engine performance based on retrieval accuracy and speed.

Certificates

- Foundations:Data, Data,Every Where From Google
- ChatGPT Prompt Engineering for Developers From Deep learning.AI

Experience

Tele-Target
Telesales Representative - Cairo   01/2024 - 03/2024

Teleperformance
Travel Agent - Fifth settlement , Cairo   07/2023 - 10/2023

Zewail city
Junior Teaching Assistant   02/2023 - 06/2023

Contact

[Linkedin](#)