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<https://seifelbially.github.io/portfolio/>

Summary

Enthusiastic and motivated student pursuing [computer science] with a keen interest in [software programming and data science]. Possesses a strong foundation in [problem solving and data analysis], including [web development and python development]. Demonstrates excellent [communication skills- problem solving ability- teamwork]. Eager to apply academic knowledge to practical situations and gain hands-on experience in programming and AI.

Experience



Trainee

Digital Egypt Pioneers Initiative - DEPI

Mar 2024 - Present (1 month)

During my enrollment at DEPI (Data Engineering & Processing Institute), I completed an extensive data science course encompassing a diverse range of subjects crucial to the field. This included :

What is Data Science? : Introduction to the field of data science, its concepts, and applications.

Tools for Data Science : Introduction to the tools commonly used in data science, such as Jupyter Notebooks, Pandas, NumPy, etc.

Data Science Methodology : Understanding the methodology involved in approaching data science projects, including problem framing, data collection, data cleaning, analysis, and deployment.

Python for Data Science, AI & Development : In-depth coverage of Python programming language focusing on its applications in data science and artificial intelligence development.

Python Project for Data Science : Practical project-based learning using Python in data science projects to reinforce concepts learned.

Databases and SQL for Data Science with Python : Learning about databases, SQL (Structured Query Language), and their integration with Python for data storage, retrieval, and manipulation.

Data Analysis with Python : Techniques and libraries for data analysis using Python, including Pandas, NumPy, etc.

Data Visualization with Python : Visualization techniques and libraries like Matplotlib, Seaborn, Plotly for representing data effectively.

Machine Learning with Python : Introduction to machine learning concepts and algorithms using Python libraries like Scikit-learn.

MLOps Tools, MLflow and Hugging Face : Understanding MLOps (Machine Learning Operations), MLflow, and Hugging Face libraries/tools for managing the machine learning lifecycle and deploying models.

Applied Data Science Capstone : A culminating project where you apply the skills and knowledge gained throughout the course to solve a real-world data science problem.



Student

Ahram Canadian University - ACU

Sep 2021 - Present (2 years 7 months)

During my academic journey, I have cultivated a diverse skill set encompassing various aspects of technology and programming. I gained proficiency in a diverse range of courses, including:

Mathematics: Equipping me with fundamental problem-solving skills.

Object-Oriented Programming with C++: Providing a strong foundation in object-oriented programming concepts.

Data Structures with C++: Expanding my understanding of organizing and managing data efficiently.

Algorithms: Enhancing my ability to design and analyze algorithms for various computational problems.

Principles of Programming: Understanding the core principles governing programming paradigms.

Database with SQL: Developing expertise in database management and querying using SQL.

Python: Learning a versatile programming language widely used in various domains.

Web Development with HTML5, CSS, and JavaScript: Acquiring skills to develop dynamic and interactive web applications.

Event-Driven Programming with C#: Mastering the concepts of event-driven programming for application development.

Network and Building Projects on Cisco Packet Tracer: Gaining practical experience in network design and implementation using Cisco technologies.

Information and Network Security: Understanding the principles and practices of securing information and networks.

Data Science with Python: Learning techniques to analyze and extract insights from data using Python.

Artificial Intelligence Principles: Exploring the fundamentals of artificial intelligence and its applications.

Education



Ahram Canadian University - ACU

Computer Science

Sep 2021 - Jul 2025

Skills

Software Systems Engineering • Mathematics • Algorithms • Problem Solving • ChatGPT • Python (Programming Language) • HTML5 • Cascading Style Sheets (CSS) • Data Analysis • Databases

Honors & Awards

Enactus ACU

Jul 2023