Zeyad Mohamed Ahmed Ahmed Refaey

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Education

B.Sc. in Computer Science – Data Science Track Egyptian Chinese University(ECU), Nasr City, Egypt

Current GPA: 2.86

Expected Graduation: 2027

Skills summary

Programming Languages: Python, C++, SQL

Data Tools & Databases: MySQL, Excel, Power BI, Tableau

Data Science & ML Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn, Seaborn, Statsmodels

Development Platforms: Visual Studio Code, Jupyter Notebook

Version Control: Git, GitHub, GitLab.

Soft Skills: Problem Solving, Analytical Thinking, Communication, Leadership

Personal Summary

Aspiring Data Scientist with a strong foundation in data analysis, statistical modeling, and machine learning. Skilled in Python, SQL, Power BI, and Tableau, with hands-on experience from self-driven projects and structured training programs. Passionate about turning raw data into actionable insights and continuously expanding my technical toolkit. Known for problem-solving, analytical thinking, and a collaborative mindset, with a proven ability to learn quickly and apply knowledge in real-world scenarios.

Projects

OS Process Scheduler | link : **April - may 2025**

Simulates key CPU scheduling algorithms: FCFS, Round Robin, SRTF, and HPF. Built in Python with a Tkinter GUI to display dynamic Gantt charts and calculate performance metrics (waiting time, turnaround time, etc.). Includes a process generator to randomize inputs. Great blend of systems logic and visual feedback.

Task Dependency Scheduler | link : **March - April 2025**

Led a university AI project where we built a scheduler that maps tasks with dependencies into a solvable graph. Implemented search algorithms like DFS and BFS to find valid task execution orders. Focused on graph traversal logic, cycle detection, and AI pathfinding strategies.

3D Chess Game | link : **January - February 2025**

Designed and built a full 3D chess game using C++, OpenGL, and GLUT. Features real-time interaction, orbiting camera, and full rule-based gameplay logic. A deep dive into rendering, object interaction, and performance optimization. One of my most complex and rewarding builds.

Restaurant Ordering System | link : **October – November 2024**

An intelligent ordering system that suggests meals based on user preferences using decision-tree style flows. Focused on the UX side, but also built logic for recommendation paths and order validation. Created with a clean interface and strong logic backend.

Certificates

Data Analysis Intern (NTI) | link: **June – August 2025**

(Learning Program) | Remote

- Completed a structured internship focused on practical data analysis and visualization skills.
- Worked on hands-on projects covering data cleaning, exploratory analysis, and dashboard creation.
- Practiced tools such as **Python (Pandas, NumPy, Matplotlib)**, **SQL**, **Power BI**, and **Tableau**.