

ASSEM ELQERSH

+201111601002 ◇ +201019906027 ◇ Alexandria, EG

assemelqirsh@gmail.com ◇ [linkedin.com/in/assemelqersh](https://www.linkedin.com/in/assemelqersh) ◇ assem-elqersh.github.io

SUMMARY

Fourth-year undergraduate student majoring in Computer Science Engineering at Egypt-Japan University, expected to graduate in 2026. Skilled in data analysis and machine learning, with proficiency in Python. Enthusiastic about unraveling complex datasets and leveraging statistical techniques for insightful data visualization. Currently gaining hands-on experience in advanced machine learning techniques, aiming to apply skills to real-world projects and continue learning in a collaborative environment.

EDUCATION

Bachelor of Computer Science Engineering, Egypt-Japan University Expected 2026

Relevant Coursework: Numerical Analysis, Algorithms, Data Structures, Computer Organization, Embedded Systems, and Advanced Programming.

SKILLS

Technical Skills: Data Analysis, Machine Learning, Data Visualization, Problem Solving, Version Control (Git), Web Scraping

Soft Skills: Communication, Leadership, Research, Forecasting

Programming Languages: Python, C, C++, Java, Assembly

EXPERIENCE

Treasurer Oct 2024 - Present

IEEE EJUST Computer Society Student Branch Chapter

- Managed financial operations for the student branch, including budgeting, expense tracking, and fundraising efforts.
- Supported the organization of technical workshops, seminars, and collaborative projects focused on computer science advancements.
- Ensured the financial sustainability of events, securing resources and sponsorships while maintaining transparent financial reports.

Internship Aug 2024 - Oct 2024

NeuronetiX (Remotely)

- Focused on data cleaning, preprocessing, and feature engineering.
- Gained hands-on experience in Machine Learning by working on real-world projects.
- Participated in live hackathons to sharpen collaboration and problem-solving skills.

Internship Aug 2024 - Sep 2024

Creativa Hub Alexandria (Onsite)

- Focused on data cleaning, preprocessing, and feature engineering.
- Learned data manipulation and time series analysis using Python's libraries in a hands-on training environment.
- Built simple data science models to reinforce understanding.

Internship Aug 2024 - Sep 2024

Mindset (Remote)

- Developed foundational knowledge in machine learning and deep learning, including CNNs and RNNs.

- Conducted statistical analysis and applied data visualization techniques.
- Gained hands-on experience in Python programming, data manipulation using Pandas and NumPy.

PROJECTS

Train Ticketing System ([View](#))

- Implemented a robust ticketing system enhancing operational efficiency and user experience.

Sign to Text Translation System Using Arabic Sign Language ([View](#))

- Designed a web application that translates Arabic sign language in real-time, improving communication for the deaf community.

Solar Panel Tracking System ([View](#))

- Developed a solar tracking system that increases panel efficiency through optimal sun exposure.

Java Scientific Calculator ([View](#))

- Developed a user-friendly calculator that supports complex mathematical functions and enhances user interaction.

MediTrack-HMS ([View](#))

- Created a hospital management system that streamlined operations, reducing patient wait times by 30

EXTRA-CURRICULAR ACTIVITIES

- Actively write blog posts and social media posts on emerging tech trends, aiming to expand online presence.
- Serve as treasurer, managing financial operations for IEEE EJUST Computer Society, supporting educational and technical projects.
- Oversee logistics for student branch events, improving event efficiency and participant experience.

LEADERSHIP

Administer a study materials group, enhancing resource availability and academic success for 300+ students.