Mazen Ebada

Computer Engineering Graduate from the German University in Cairo

ebada.jr@gmail.com | Tel: 01111107156 | LinkedIn | GitHub

About Me

A Computer Engineering graduate from the German University in Cairo with a strong foundation in data management, database design, and data-driven systems. I have hands-on experience with SQL, PostgreSQL, and MongoDB, alongside expertise in ERD modeling, schema design, data transformation, and normalization using Python for analytical and machine learning projects. My background bridges software engineering and process optimization, allowing me to approach data challenges from both technical and strategic perspectives. I am deeply passionate about continuous learning and thrive in dynamic environments where I can quickly adapt to new technologies, tools, and data concepts to deliver efficient and scalable solutions.

Education

October 2020 – June 2025 **German University in Cairo**, BS in Computer Engineering

GPA: 2.0 (German system)

Coursework: Database design, Software Engineering, Agile methodologies.

Work experience

Customer & Operations Experience Intern, Thndr   *July 2025 – Present*

- Spent two months in the customer experience team before switching to the Operations efficiency excellence team as an automation engineer.
- Get in touch with the users, solving technical problems in the app and smoothing the investment process.
- Identify customer pain points and enhance the user experience within the Thndr app.
- Identified problems within the chatbot workflow, performed a complete redesign of Freshdesk's chatbot to enhance the support experience from the user's prespective which helped me prove myself in the automation engineering part.
- Got to work on various automations using n8n and browserless to ease up the day to day tasks required from the employees.
- Teamed up with the funding, CRM, and people teams to automate bank statement extractions, social media scraping, and campaign creations in Braze software.

Information security analyst, E& Egypt   *February 2025 – June 2025*
(Internship program)

- Diving deep into pen testing, google dorking, and vulnerability scanning.
- Using Portswigger to start my pen testing journey.
- Getting familiar with Burp Suite and how to use it in exposing systems.
- Collaborating with the different teams in the security department to ensure information security and availability.

Software developer intern, Tutoruu   *August 2024 – December 2024*

- React Native, Typescript, Javascript, and MongoDB.
- Started my one-month internship at Tutoruu in August 2024, before extending it for another four months.
- Developing, maintaining, and designing different products: Mobile apps, websites, and customized chatbots.

- Constantly adding to my knowledge, more real-life experiences, leadership, and time-management skills.

Full stack web developer, Freelancer   *February 2024 – Present*

- ReactJs, NodeJs, Javascript, and MongoDB.

- Using my skills in web development to create websites on the go for different clients.

- Managing my time between internships, freelancing and education.

Enterprise security internship, Etisalat   *July 2023 – September 2023*

- Firewalls, endpoint systems, account management, log analyzing and pen testing.

- Began my journey learning about the foundations of cybersecurity and ways to mitigate data in a big company like Etisalat.

- Along with the SOC team, I monitored logs to investigate suspicious behaviors that needed to be reported.

Projects

Ticket Management Database system   **SQL/POSTGRES**

- Designed a Database for ticket management for footbal matches.

- Designed the ERD , relations between entities and implemented the Schema using SQL.

- Constructed stored procedures, views and indices to ensure efficient and reliable Data retrieval and management.

- SQL.

- Received an A+ for my work.

Social Media Listening   **N8N/Browserless**

- Developed an automation workflow integrating n8n and browserless that allows Thndr's marketing team to extract important posts on Facebook, Instagram, TikTok, and LinkedIn mentioning the company's name, getting the sentiment and reach metrics of each post.

- Using Google's search APIs in order to scrape the mentioned platforms and utilizing enhanced search queries to get the right targeted posts within the last week.

- Saved money, time and effort, replacing manually searching the platform with a stable and scalable solution that extracts and documents the results every week.

Clinic and pharmacy website —Scrum master

- Led a team of 10 members as the scrum master of a project that consists of creating two systems and merging them together.

- Managing user requirements, dividing them upon members and resolving conflicts between team members.

- Making sure user requirements are descriptive of what the user wants, testing after development and before showing the client.

- We got an A for the work done in this project.

- Tools Used: NodeJs, ReactJs, MongoDB, Javascript.

Courses and certifications

Foundations of Cybersecurity   **Oct 3 2023**
Google cybersecurity certificate by Coursera,
Play It Safe: Manage Security Risks   **Mar 9 2024**
Google cybersecurity certificate by Coursera,
Machine Learning with Python   **Feb 4 2024**
by IBM and offered through Coursera,

Technologies & Skills

Python for data transformation, SQL, Postgres, MongoDB,HTML5, CSS3, JavaScript, Java, Node.js, React.js, Typescript, OOP , n8n , browserless, Docker