

KHALID ALANSARY

NEW CAIRO, EGYPT

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EDUCATION

Ain Shams University | GPA: 2.92

Sep 2021 - Jun 2026

B.Sc. | Computer and Systems Engineering

CERTIFICATIONS

[GitHub Foundations Certification](#) | Github

Mar 2025

Validated proficiency in Git version control, collaborative workflows, and GitHub platform features.

[HCCDA - Tech Essentials](#) | Huawei Cloud

Sep 2025

Gained experience working with Huawei Cloud's console, services, and solutions.

PROJECTS

[Online Marketplace](#) | TypeScript, React, Supabase, PostgreSQL, TailwindCSS

- A full-stack marketplace app with user authentication, product listings, and transactions between users.

[Tiny Language Parser](#) | C, C++, Qt, Graphviz

- Developed a compiler frontend with a GUI that generates a parse tree for the Tiny programming language.

[Multipurpose XML Utility](#) | C++ (with boost library), Qt, Graphviz

- A desktop application that validates and formats the XML, converts it to JSON, fixes misplaced tags, visualizes the XML data, along with various other features.
- Applied suitable data structures and algorithms for representing and manipulating the XML internally.

[Charity Management System](#) | Docker, PHP, nginx, PostgreSQL, HTMX, TailwindCSS

- Multi-Page site with PHP with focus on applying good design patterns such as the MVC pattern.
- Containerized the project with each component in its own container for robust development and deployment.

COURSES & CERTIFICATES

[HarvardX: Computer Science for Artificial Intelligence](#) | Python, TensorFlow, Algorithms

Aug 2023

[HarvardX: CS50's Introduction to Databases with SQL](#) | SQL, SQLite, PostgreSQL, MySQL

Aug 2023

[Scrimba's Advanced React Course](#) | React, JavaScript, HTML, CSS

Mar 2025

EXPERIENCE

Industrial Automation and IT Summer Internship

Jul 2024

Ezz Steel

Ain Sokhna, Egypt

- Created Python scripts that normalize CSV files to facilitate importation into the Oracle database.
- Gained experience in server and network management, and security protocols, by implementing user-specific privileges on the company network.

SKILLS

Languages: JavaScript, TypeScript, Go, HTML/CSS, Rust, Java, SQL, Python, PHP, C, C++, Bash scripting

Frameworks: Svelte/SvelteKit, React, Next.js, Node.js, HTMX, Flask, Django, Qt

Developer Tools: Git, GitHub, GitHub Actions, Docker, Linux/Unix, Vim, CMake, VS Code

Libraries: Tanstack Query (FKA React Query), shadcn, Boost, tkinter, pytest, pandas, NumPy, Matplotlib