

BASSAM TAREK AL-ARABY

COMPUTER SCIENCE STUDENT · MENOUFIA UNIVERSITY

📍 Shibin El-Kom, Egypt 📞 +201226620552 ✉ elrabyb@gmail.com 🌐 bassamalaraby.me
🐙 github.com/bassam-alaraby 🌐 linkedin.com/in/bsam-alaraby

OBJECTIVE

Second-year Computer Science student with hands-on experience building web applications using Python, Flask, and JavaScript. Seeking an internship to apply software development skills in a professional engineering environment.

EDUCATION

Faculty of Computers & Information — Menoufia University 2025 → present
B.Sc. Computer Science

TECHNICAL SKILLS

Languages	C, C++, Python, Java, JavaScript, SQL	Web Dev	Flask, HTML, CSS, Jinja
Database	SQLite, Turso (LibSQL)	Services	Cloudinary, Telegram Bot API, Vercel
Tools	Git, GitHub, Linux	Concepts	Data Structures, Problem Solving

PROJECTS

VORTEX — E-commerce Platform Flask · Turso · Cloudinary · 2026
🌐 vortex-brand.vercel.app

- Built a full-stack e-commerce platform with product catalog, variants, shopping cart, and checkout flow
- Implemented custom design uploads and product-level tiered quantity discounts with percentage or fixed-amount pricing
- Developed an admin dashboard for managing products, variants, discounts, and orders
- Integrated Turso (LibSQL), Cloudinary, and Telegram Bot API for database, media storage, and order notifications
- Implemented CSRF protection, rate-limited admin authentication, input validation, and secure production configuration
- Deployed the application on Vercel with environment-based configuration

CS50x Problem Sets C · Python · SQL · 2026
🏛 Harvard University · 🐙 github.com/bassam-alaraby/cs50-solutions/tree/main/x

- Completed problem sets covering algorithms, memory management, data structures, SQL, and web development
- Implemented dynamic memory management, pointers, hash tables, and sorting algorithms in C
- Built Python and Flask applications including CS50 Finance
- Final Project: VORTEX, Flask-based e-commerce platform built as the final project for CS50x.
View submitted repository: github.com/bassam-alaraby/vortex

COURSES

CS50x — Introduction to Computer Science Harvard University
Algorithms, data structures, memory management, SQL, and web development.

LANGUAGES

Arabic **English**
Native *Professional working proficiency*