

Kareem Elramady

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EDUCATION

Alexandria University

Bachelor of Computer Science

Sept. 2024 – Jun. 2028

Alexandria, Egypt

TECHNICAL PROJECTS

Quote Tab – Chrome Extension

[GitHub Repository](#) — [Live Site](#)

JavaScript, Next.js, PugJS, SASS, HTML, CSS, JSON, Git

- Developed Quote-Tab, a Chrome extension that replaces the default new tab with a fully customizable productivity dashboard.
- Designed and implemented features for daily motivational quotes, goal tracking, next prayer time display, and quick access shortcuts.
- Built a user account system with personalized profiles, synced preferences, and data persistence across devices.
- Integrated cross-platform synchronization between the Chrome extension, web interface, and Android app to maintain consistent user experience.

University Management System - Java Desktop Application

[GitHub Repository](#)

Java, Java Swing, Databases, SQL, Git

- Developed a full-featured desktop system that manages four account types — Student, Faculty, Admin Staff, and System Admin — each with a dedicated interface and role-specific functionality.
- Built an interactive GUI for seamless navigation and task management, covering authentication, course registration, grading, and scheduling processes.
- Utilized an integrated SQLite database for secure data storage, persistence, and efficient management of academic and administrative records.

Robot Path Planning – AI Python Game

[GitHub Repository](#)

Python, Tkinter, Algorithms, Git

- Developed an interactive Python application that simulates robot path planning in a grid environment using the Breadth-First Search (BFS) algorithm to find the shortest path between start and goal points.
- Implemented a Tkinter-based GUI with real-time maze visualization, dynamic pathfinding animation, adjustable difficulty levels, and automatic maze generation ensuring valid paths.

VOLUNTEERING EXPERIENCE

Google Developer Groups On-Campus, FCDS

Feb. 2025 – Present

Alexandria, Egypt

- Conducted educational workshops to introduce students to the basics of web development.
- Led and facilitated technical sessions and collaborative learning activities within the student community.
- Engaged in peer mentoring and participated in events aimed at enhancing knowledge of modern web practices.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, PHP, Java, C++, R

Web Development: HTML, CSS, SASS, PugJS, GulpJS, TypeScript, React, Next.js, Laravel, Flask, AJAX, JSON

Databases: MySQL, MongoDB, SQLite

Other Skills & Tools: Data Structures, Algorithms, Git, Postman, LaTeX, Kali Linux

LANGUAGES

Arabic: Native

English: B2