

# Badr Sayed

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## Professional Summary

Motivated Computer and Systems Engineering student at Ain Shams University with solid experience in full-stack web development. Skilled in building scalable apps, backend logic, and collaborative teamwork.

## Technical Skills

- Languages: JavaScript, Java, C, C++, SQL, HTML, CSS
- Frameworks: Node.js, Express, React, Socket.IO, JavaFX
- Databases: PostgreSQL, SQLite
- Tools: Git, GitHub, Postman, VS Code
- Soft Skills: Problem Solving, Teamwork, Time Management, Fast Learning

## Projects

### Real-Time Messaging App:

A full-stack application with user authentication, message persistence, and real-time chat functionality. Built using Node.js, Express, PostgreSQL, React, and Socket.IO.

### Shop Management System:

A backend system supporting CRUD operations for products, including image uploads and database management. Built with Node.js, Express, and PostgreSQL.

### XML Parser and Analyzer:

A C++ project using stacks, binary trees, and graphs to process XML files, including compression and conversion to JSON.

### Restaurant Management System:

A JavaFX-based application for handling orders and bookings, applying Object-Oriented Programming principles.

### Web Games:

Created simple browser games like Tic Tac Toe and Rock Paper Scissors using vanilla JavaScript.

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## GPS Trajectory Tracker:

Implemented C algorithms to extract and analyze location data from GPS modules.

## Equivalent Resistance Calculator:

A C program that calculates equivalent resistance in parallel and series circuits.

## Simple Clock Counter:

Designed a logic circuit using ICs to count seconds, minutes, and hours.

## Education

Ain Shams University, Egypt

BSc in Computer and Systems Engineering (2021 - Present)

GPA: 3.24

## Languages

- Arabic: Native (C2)
- English: Upper Intermediate (B2)

## Other Experience

- Self-Employed Tutor (2023 - Present) - Teaching children (6 to 12) interactively.
- Sales Representative, Al Moamen (2018) - Client coordination and product distribution.