

# Mohamed Bakr Mohamed

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## Professional Summary

Computer science student at South Valley University with strong skills in **C++ (OOP, Data Structures, Algorithms)** and **Python**. Experienced in front-end web development using **HTML, CSS, Bootstrap, JavaScript**. Built websites for small/medium businesses to showcase services, attract clients, or launch online stores. Fast learner, team player, and productive under pressure. Goal: Master front-end in 2026, transition to full-stack, with interest in AI/ML.

### **Bachelor of Computer Science**

South Valley University, Faculty of Computers, Information, and AI, Qena, Egypt

*Expected Graduation: 2027 | GPA: 3.6/4.0 (Excellent)*

- Relevant Coursework: OOP, Data Structures, Algorithms, C++, Python, Artificial Intelligence

### **NTI Certification in Web Development**

National Telecommunications Institute, Cairo | *Completed: 2025 | Rating: Excellent*

### **Self-Study in Web Design & Frameworks**

Online Courses (Osama Elzero, etc.) | 2023 – Present

## Skills

### **Programming Languages**

- C++ (OOP, Data Structures, Algorithms)
- Python
- HTML5, CSS3, JavaScript (ES6)

### **Web Development**

- Front-End: HTML, CSS, Bootstrap, javascript
- Responsive Design, UI/UX
- Git, GitHub

## **Tools & Platforms**

- VS Code, WebStorm, CLion
- Codeforces, LeetCode, VJudge, AtCoder

## **Soft Skills**

- Problem Solving
- Team Collaboration
- Fast Learning
- Leadership & Mentorship

## **Professional Experience**

### **Freelance Web Developer (Self-Initiated) | Qena, Egypt | 2023 – Present**

- Designed and deployed responsive websites for local businesses using HTML, CSS, Bootstrap, JS.
- Built full front-end e-commerce and delivery platforms from design to deployment.
- Collaborated on university projects applying CS concepts practically.

### **Competitive Programming Problem Solver | 2023 – Present**

- Solved 500+ problems on Codeforces, LeetCode, VJudge.
- Implemented custom STL-like containers in C++ using OOP.

## **Projects**

### **Order Delivery Website**

Responsive front-end app for order tracking and delivery management.

**Tech:** HTML5, CSS3, JavaScript

### **Custom C++ Container (STL Simulation)**

Hand-built dynamic array with STL-like functionality using OOP.

**Tech:** C++, OOP, Templates

[GitHub Repository](#)

## **Health Checkup Booking System (NTI)**

User-friendly platform for elderly users to book medical appointments.

**Tech:** HTML, CSS, JavaScript

## **Simple E-Commerce Website**

Food product sales page with cart and checkout simulation.

**Tech:** HTML, CSS, JavaScript

[GitHub Repository](#)

## **Certifications**

- NTI Certification in Web Development – National Telecommunications Institute (2025)

## **Additional Information**

- **Languages:** Arabic (Native), English B1
- **Interests:** AI, Machine Learning, Competitive Programming
- **Availability:** Immediate for internships or entry-level roles