

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