

Mahmoud Abdelrazek

Software Engineer | Front-End developer

[Linked in](#)

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[Check my website](#)

[My YouTube Channel](#)

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Qena, Egypt

Objective

CS Student @SVU | GDG Instructor | Problem Solver | Data Structures & Algorithms Enthusiast

Computer Science student at SVU with a strong foundation in front-end development, competitive programming, and a passion for data structures and algorithms. Instructor with the Google Developer Community at SVU, teaching object-oriented programming and essential CS concepts. Creator of a YouTube channel offering in-depth tutorials on non-linear data structures and a comprehensive course on pointers and memory management in C/C++. Driven by a love for learning and dedicated to helping others grow through educational content.

Let's connect and collaborate!

Check out my YouTube channel [here](#)

Education

Computer and Information College @SVU

Egypt, Qena

Bachelor of Computer Science (CS) (Expected 2026)

Key Skills

Soft Skills

- Teaching and Public Speaking (YouTube content creation and GDC instructor)
- Leadership and Teamwork (volunteer activities and community engagement)
- Analytical Thinking and Debugging
- Communication (effective explanation of complex topics to beginners)
- Teamwork and Collaboration
- Creative design

Technical Skills

- **Programming Languages:** C++, C, JavaScript, PHP, SQL
- **Web Development:** HTML, CSS, JavaScript, React, Bootstrap, Responsive Design
- **Algorithms & Data Structures:** In-depth tutorials on linear and non-linear data structures using C++
- **Software Design:** Object-Oriented Programming (OOP), familiar with Software Requirements Specification (SRS) and UML diagrams
- **Problem Solving:** Over 900 problems solved on Codeforces, over 200 on Leetcode, and competitive programming experience
- **Version Control:** Git and GitHub for code collaboration and repository management
- **Operating Systems:** Windows, Linux
- **Memory Management**
- **Postman**
- **Figma**

Experience

CS Student @SVU | GDG Instructor | Problem Solver | Data Structures & Algorithms Enthusiast

Instructor with Google Developer Group (GDG), assisting students in improving coding and problem-solving skills.

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2021 - 2022	2022 - 2023	2024 - 2025
Practice Problem Solving Techniques: <ul style="list-style-type: none">• Binary Search (BS), Two Pointers, Prefix Sum, and more Web Development: <ul style="list-style-type: none">• Developing responsive websites for small businesses and creating user-friendly interfaces using HTML, CSS, and JavaScript	Instructor @ GDG (Google Developer on Campus): <ul style="list-style-type: none">• Teaching object-oriented programming and essential computer science concepts• Sharing programming experiences and fostering learning within the community	Volunteer Programming Instructor YouTube Content Creator <ul style="list-style-type: none">○ Launched a YouTube channel to share carefully crafted educational courses aimed at helping students and programmers○ Aiming to provide a source of inspiration and value for viewers<ul style="list-style-type: none">a. Topics include Non-Linear Data Structures (BST, AVL, Graph, etc.)b. Pointer and memory management in C/C++

Projects

EDU community for students	Portfolio website
Dental Clinic	Chairman site
Data Structures project	Programming problem topics
Online Library System	

Communication

- Write and share posts on LinkedIn about programming and technology topics, aiming to share knowledge with the tech community and exchange ideas
- Actively participate in interactive discussions on various platforms to raise awareness about different programming techniques and expand understanding among enthusiasts

Leadership

- Actively participated in university clubs and initiatives, including leading a study group for fellow Computer Science students

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- Volunteered with the Google Developer Community, leading workshops and events to educate students on core computer science topics such as Object-Oriented Programming and Data Structures
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