

# Mahmoud Abdelrazek

Software Engineer | Front-End developer

[Linked in](#)  
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Objective	<p><b>CS Student @SVU   GDG Instructor   Problem Solver   Data Structures &amp; Algorithms Enthusiast</b></p> <p>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 <a href="#">here</a></p>
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Education	<p><b>Computer and Information College @SVU</b></p> <p>Egypt, Qena</p> <p>Bachelor of Computer Science (CS) (Expected 2026)</p>
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Key Skills	Soft Skills	Technical Skills
	<ul style="list-style-type: none"><li>• Teaching and Public Speaking (YouTube content creation and GDC instructor)</li><li>• Leadership and Teamwork (volunteer activities and community engagement)</li><li>• Analytical Thinking and Debugging</li><li>• Communication (effective explanation of complex topics to beginners)</li><li>• Teamwork and Collaboration</li><li>• Creative Design</li></ul>	<ul style="list-style-type: none"><li>• <b>Programming Languages:</b> C++, C, JavaScript, PHP, SQL</li><li>• <b>Web Development:</b> HTML, CSS, JavaScript, React, Bootstrap, Responsive Design</li><li>• <b>Algorithms &amp; Data Structures:</b> In-depth tutorials on linear and non-linear data structures using C++</li><li>• <b>Software Design:</b> Object-Oriented Programming (OOP), familiar with Software Requirements Specification (SRS) and UML diagrams</li><li>• <b>Problem Solving:</b> Over 900 problems solved on Codeforces, over 200 on Leetcode, and competitive programming experience</li><li>• <b>Version Control:</b> Git and GitHub for code collaboration and repository management</li><li>• <b>Operating Systems:</b> Windows, Linux</li><li>• <b>Memory Management</b></li></ul>

Experience	<p><b>CS Student @SVU   GDG Instructor   Problem Solver   Data Structures &amp; Algorithms Enthusiast</b></p> <p>Instructor with Google Developer Group (GDG), assisting students in improving coding and problem-solving skills.</p>
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2021 – 2022

2022 – 2023

2024 – 2025

### Practice Problem Solving Techniques:

- Binary Search (BS), Two Pointers, Prefix Sum, and more

### Web Development:

- Developing responsive websites for small businesses and creating user-friendly interfaces using HTML, CSS, and JavaScript

### Instructor @ GDG (Google Developer on Campus):

- Teaching object-oriented programming and essential computer science concepts
- Sharing programming experiences and fostering learning within the community

### Volunteer Programming Instructor YouTube Content Creator

- 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
  - a. Topics include Non-Linear Data Structures (BST, AVL, Graph, etc.)
  - b. Pointer and memory management in C/C++

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## Projects

[EDU community for students](#)

[Portfolio website](#)

[Dental Clinic](#)

[Chairman site](#)

[Data Structures project](#)

[Programming problem topics](#)

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## 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

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## Leadership

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