

3 El-Fardous Buildings, Al  
Mansourea Road ,Cairo, Egypt

**MOHAMED ELHAGRY**  
[GitHub](#)

(+20) 1201155869  
mohamedelhagery@gmail.com

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## EDUCATION

- Incomplete Bachelor's Degree, Computer Science, Cairo University. Current GPA: 3.77. Expected Graduation Date: 2023.

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## Projects

- Chinese Checker with AI using Mini-max algorithm.
- OS projects: Virtual File System. Deadlock Avoidance Algorithm. CPU Scheduling Algorithms. UNIX-like CLI.
- Web: Created an online library management website using HTML, CSS, JavaScript, and Django.
- Compression Algorithms: Implemented LZ-77, LWZ, Huffman coding, and Vector Quantization.
- Computer Graphics: Implemented a package with multiple algorithms for drawing simple shapes, filling, drawing curves and polygons, etc.
- Data Structures: Implemented AVL tree, B-Tree, Suffix Array, Suffix Trie, Segment Trees, etc.
- Developed an application to order and match rides that exploits multiple design patterns.

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## COMPETITIVE PROGRAMMING

- ICPC: Participated in ACPC 2021, ECPC 2021, and FCAICUCPC 2021. [ICPCID](#).
- [CodeForces](#) Peak Rating: 1749.
- Problem Setter for ACPC-kickoff 2022.

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## Skills

- C++, Java , MySQL, Python, Linux, Algorithms, Data structures, Visual studio, Eclipse, GitHub , JavaScript, HTML, CSS.

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## Interested In

- Artificial Intelligence, Backend Development, Operating systems, large scale projects, Competitive Programming, Web development.

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## Miscellaneous

- IGCSE secondary education. A-Levels in Physics, Math, and Computer Science. AS in Further Pure Math.
- IELTS Certificate: Overall Band Score: 8.0 .