

Mohamed Mahmoud Rezk

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Education

Class 2025	Bachelor of Science in Computer Engineering <i>Ain Shams University</i> Junior / CGPA: 3.7 / 4.0
Class 2020	High School <i>Dakahlia STEM School</i> CGPA: 4.0 / 4.0 (1st Rank)

Experience

Aug-Oct-2022	Research Intern <i>ASU - Dynamic Systems & Digitalisation Cluster</i> Project title : Mapping of artificial acoustic emission sources on wind turbine blades I implemented several optimization algorithms with some bench-markings like: <ul style="list-style-type: none">- Particle Swarm Optimization- Simulated Annealing- Simplex (Nelder-Mead) Method- Code / Report
Mar-Apr-2022	Video Editor <i>CAMTECH CNC</i> Video editing for engineering courses, I used FFmpeg for bulk conversion, Davinci Resolve scripting, and python to edit and create high-quality videos.

Hackathons & Competitions

Aug-Oct-2022	NASA Space Apps Cairo <ul style="list-style-type: none">- Implementing an International Space Station (ISS) tracking system based on the laws of orbital mechanics and astronomical algorithms.- People Choice Award Nominee- 500\$ AWS Credit Points Prize- Code
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Skills

Python	Bash	L ^A T _E X
C/C++	Research	Simulation