

# Carla Mansour

Egyptian | Female | 24 years old

*Target MSc: Sustainability & Social Innovation / Management*

**EDUCATION***Bachelor of Science in Mechanical Engineering The American University in Cairo (AUC) 2019 - 2023*

*Focus on Renewable Energy Systems and Sustainable Manufacturing.*

*GPA: 3.8/4.0. Awarded the Public School Scholarship for academic merit.*

*Thesis: "Optimization of Solar Desalination Units for Rural Communities."*

## PROFESSIONAL EXPERIENCE

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Sustainability Consultant Intern - Boston Consulting Group (BCG), Casablanca July 2023 - December 2023

Supported a decarbonization roadmap for a major African mining company, focusing on Scope 1 and 2 emissions.

Conducted benchmarks on green hydrogen technologies and their financial feasibility in the MENA region.

Assisted in the design of a circular economy framework for a consumer goods client, aiming to reduce plastic waste by 30%.

Prepared executive-level slides for weekly steering committees and stakeholder engagement workshops.

Operations Intern - Siemens Gamesa (Renewable Energy) January 2023 - June 2023

Assisted in the logistics planning for wind turbine components across three major wind farm sites.

Analyzed operational downtime data to identify recurring technical failures, improving maintenance scheduling efficiency.

Collaborated with the EHS (Environment, Health, and Safety) team to ensure compliance with international safety standards.

## SKILLS

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Technical: Life Cycle Assessment (LCA) tools, AutoCAD, MATLAB, Advanced Excel.

Analytical: Carbon footprinting, ESG reporting, Supply chain optimization.

## LANGUAGES

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Arabic (Native), English (Fluent - C2), French (Intermediate - B1).

**PERSONAL INTERESTS** Professional Squash player (ranked nationally), Mediterranean History, Scuba Diving.