

# Mohamed Alnagar

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## Education

### Misir Higher Institute For Engineering and Technology

*Bachelor's Degree in Computer Engineering*

Mansoura, Egypt

Sep. 2019 – Jul. 2024

## Experience

### Software Engineer Intern

Jun. 2021 – Jul. 2021

*Code Case*

*Remote*

- Implemented web development tasks using HTML, CSS, JavaScript.
- Assisted in debugging and testing to improve functionality.
- Collaborated with team to deliver tasks within deadlines.

### Algorithms & Data Structures Intern

Feb 2022 – Jul 2024

*Coach Academy*

*Remote*

- Completed advanced training in algorithms, data structures, and computational efficiency.
- Solved complex challenges, strengthening analytical and critical thinking.

### MERN Stack Development Intern

Jul 2025 – Dec. 2025

*Information Technology Institute (ITI)*

*Egypt*

- Awarded scholarship in Full-Stack Web Development (MongoDB, Express.js, React.js, Node.js).
- Built and deployed projects applying REST APIs, databases, and UI/UX principles.
- Worked individually and in teams using agile methodologies and Git/GitHub.

## Projects

### Hotel Management System | C++, OOP

Jun 2023 – Jun 2023

- Console-based system using OOP principles; modeled rooms, customers, and sales.

### ICT Planning For Green Hospital | Controller, HTML, CSS, JS

May 2023 – Sep. 2023

- Developed hospital automation system with hardware control (C), smart card access, and web interface.

### Campaigns Website | API, HTML, CSS, JS, Git

Sep. 2025 - Oct. 2025

- Built a platform to create, manage, and track campaigns with real-time insights.

## Technical Skills

**Languages:** Python , C++ , SQL, MySQL , JavaScript , HTML/CSS

**Frameworks:** Angular Basics , Node.js , Express.js , MongoDB

**Tools:** Git , GitHub , VS Code , PyCharm , IntelliJ , Eclipse

**Concepts:** Object-Oriented Programming, Networking

## Activities

### Volunteering | GDSC – PR Team

Jun 2023 – Jun 2024

- Promoted events on social media and boosted student engagement.
- Collaborated with team to design campaigns increasing event attendance.

### ENG MET Community

July 2023 – July 2024

- Guided 50+ students across 3 introductory Computer Science programming labs.

## Achievements

### ICPC - ECPC Regional Contest

2023 , 2024

- Reached the ECPC finals. Ranked 1st in my college. 64th/500+ teams (2024).
- Ranked 2st in my college. 45th/400+ teams (2023).

### IEEE

Aug 2023 – Aug 2023

- Participated in IEEE competitions and ranked among the top in my college..
- Developed ICT planning system for a Green Hospital project.

### NASA Space Apps Hackathon

Sep. 2023 – Oct. 2023

- Competed in real-world space-related challenges, collaborating on innovative solutions.