Ali Mohamed

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GitHub: https://github.com/AliHomayed

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Education

Arab Academy for Science, Technology and Maritime Transport - Sheraton Branch
Bachelor of Mechatronics Engineering

Graduated: July 2021   **GPA:** 3.0/4.0 with Honors "Good

Bachelor of Mechatronics Engineering

Graduation Project

- **Design and implementation of a portable telescopic gantry crane**

Contributed by implementing and testing the control design using the ladder diagram. In addition to, implementing the electrical design.

ACHIEVEMENTS/TASKS

- Mechanical design for the machine
- Mechanical calculations and stress analysis
- Actuator sizing
- Testing of systems
- Electrical and control scheme
- Design and implementation of all the coding and control by the use of an PLC (LS XBC-DR30E)
- Testing and validation

Grade: A+
Supervisor: DR. Mohamed Mabrouk.

Al Bashaer International School, IGCSE Program

Graduated: June 2016   **Grade: 93%**

Courses (Self-learning)

- **Front-End Web Development (2022/2023)**

THE TOOLS AND TECHNOLOGIES COVERED

- HTML
- CSS
- jQuerry
- Java-script
- APIs
- React.js
- Next.js
- Git, GitHub, version control

- **Back-End Web Development (2022/2023)**

<u>THE TOOLS AND TECHNOLOGIES COVERED</u>

- Node.js
- Express.js
- SQL

- MongoDB
- Mongoose

Projects

- Blog
- A personal webpage
- Trip Advisor
- Real Estate App

Extracurricular Activities

- **Part Time job at El Porsaidy** (2016-2022)
- **Mathematics Teacher Assistant in IGCSE** (2015)

References are available on request.