

# Ahmed Adel *Mechatronics Intern*

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📍 Selangor, Malaysia

🚩 Egyptian

🌐 Ahmed Adel

## Profile

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I am an optimistic and ambitious Mechatronics Engineer seeking an internship to help develop and enhance my skills in the area. With a thorough understanding of mechanical and electrical engineering fundamentals, as well as competence in computer science, Pneumatic system, and robotics, I am excited to contribute to new projects that combine mechanical systems with cutting-edge technology.

## Professional Experience

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2021 – present      **Technical Assistant**  
Right now I am working as a technical assistant in my university.

## Education

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2021/11 – present      **Mechatronics Engineering**  
Malaysia      *Asia Pacific University*  
Third year with GPA 3.4

## Technical skills

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<b>Programming language</b> C , Python	● ● ● ● ●	<b>Data Analysis</b> Matlab and Simulink	● ● ● ● ●
<b>Design</b> Solidworks	● ● ● ● ●	<b>Programmable Logic Control</b>	● ● ● ● ●
<b>Prototyping</b>	● ● ● ● ●	<b>Labview</b>	● ● ● ● ●
<b>Electrical design</b>	● ● ● ● ●	<b>Arduino</b>	● ● ● ● ●

## Projects

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2023/07 – 2023/08	<b>Boe-bot</b> build a boe-bot robot using arduino that identifies it's path using infrared and ultrasonic sensor
2023/01 – 2023/08	<b>Inventory Management System</b> Designed an inventory system for Personal protective equipment using python and C language.
2023 – present	<b>Material Selection</b> Built a Material Selection system that differentiate between different objects and organize them according to material type
2023/01 – 2023/04	<b>Sorting warehouse</b> Built a sorting warehouse using PLC and Pneumatic system that sort food products according to size and weight

2025/02 – 2025/10	<b>AI Enhanced Prosthetic Upper Limb integrated with a sensory feedback system</b> Built Prosthetic upper limb that use AI and EMG sensor for gesture recognition and also integrated with sensory feedback for material recognition
2025/02 – 2025/06	<b>IoT-Based Parkinson's Disease Monitoring System</b> IoT-Based Parkinson's Disease Monitoring System that uses sensors and AI model to monitor the condition of the disease and also keeps the patient updated and connected to doctors through a mobile application

## Courses

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2024 – present	<b>SOLIDWORKS: Become a Certified Associate Today (CSWA)</b> <i>Udemy</i> Learn how to be an expert in SolidWorks to the Associate Certification Level
2023 – present	<b>CS50's Introduction to Computer Science</b> <i>Harvard University</i> learn the fundamentals of computer science

## Interests

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|-------------------|-------------|-------------|
| • Swimming        | • Reading   | • Traveling |
| • Building blocks | • Exploring |             |

## Soft Skills

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Teamwork | Creativity | Communication | Problem solving | Time management | Interpersonal skills |  
 Work ethic | Adaptability