

ALEEF SAHIRSHA

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Sungai Besi, Seri Kembangan, Selangor, Malaysia

Profile

Motivated and hands-on Mechatronic Engineering undergraduate with a strong foundation in automation, control systems, and signal processing. Demonstrates proven experience in interdisciplinary engineering projects, with interests in robotics, system design, and intelligent automation. Skilled in MATLAB, Simulink, Python, and LTSpice, with a keen passion for applying theory into practical innovation. Eager to grow both technically and professionally through industry exposure and collaborative challenges.

Work Experience

ENGINEERING PROJECT STUDENT

Jan 2025 – Present

Asia Pacific University of Technology and Innovation (APU)

Kuala Lumpur, Malaysia

- Designed and simulated integrated electro-mechanical systems combining pneumatics, electronics, and automation to solve real-world problems.
- Delivered mini-projects under tight academic deadlines using MATLAB, Simulink, and Python.
- Collaborated with multidisciplinary peers to develop vision-based systems for real-time disease detection using image processing and machine learning.
- Practiced circuit analysis using LTSpice and conducted system simulations for control and automation projects.

Education

BACHELOR OF ENGINEERING (Hons)

Oct 2022 - Present

Mechatronic Engineering

Asia Pacific University of Technology and Innovation (APU)

Kuala Lumpur, Malaysia

Expected Graduation: 2026

BACHELOR OF ENGINEERING (Hons) [Dual Degree]

Oct 2022 - Present

Mechatronic Engineering

De Montfort University (DMU)

Leicester, UNITED KINGDOM

Expected Graduation: 2026

AISSCE (CBSE - Grade 12) - [89.6%]

Mar 2021 - Jun 2022

International Indian School Jeddah

Jeddah, Saudi Arabia

- Science Stream

AISSE (CBSE - Grade 10) - [85.3%%]

Mar 2019 - Jun 2020

International Indian School Jeddah

Jeddah, Saudi Arabia

Certifications

Rocheston Cybersecurity Engineering Certificate (RCCE-Level 1)

Dec 2024

MATLAB & Simulink Onramp –

Jan 2024

MathWorks

ICDSBE Event Assistant

Nov 2023

CIMA Industry Talk

Nov 2023

Membership

Student Member

Mar 2025 - Present

The Institution of Engineers , Malaysia

Head Of Media

Mar 2025 - Present

IASS Committee , Malaysia

Head Volunteer

Mar 2020 - Jun 2022

International Indian School Jeddah

Skills & Abilities

- Proficient in Microsoft 365
- Time Management (LinkedIn Certification)
- Leadership Skills
- Well adept in collaborative environments
- Strong time management and multitasking in team-based projects
- Communication Skills
- Presentation and Public Speaking Skills
- Problem-solving and iterative design thinking
- Audit and Digital Assurance (Forge Certifications)
- Adaptable in collaborative engineering environments
- Multitasking & Project Coordination
- Simulation & Circuit Analysis
- MATLAB & Simulink Modelling
- Automation using AI & Control System design