

# Marawan Eldeib

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## SUMMARY

Master's student in Software Engineering with experience in practical software testing and AI solutions. Eager to contribute to impactful real-world projects.

## EDUCATION

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### STUTTGART UNIVERSITY

Master of Science

Stuttgart, Germany

Oct 2024 – Present (Expected: Sept 2026)

Major in Software Engineering/Computer Hardware; Minor in Information Technology.

### MULTIMEDIA UNIVERSITY

Bachelor of Engineering (Hons.)

Cyberjaya, Malaysia

Jul 2020 – Oct 2024

Major in Computer; Minors in Electronics.

**CGPA:** 3.7/4.0 (First Class Honors).

**Final Year Project:** Developed MangoVision, a deep learning model for mango fruit detection from aerial images, achieving 98.5% accuracy (Awarded Best Research Project).

## WORK EXPERIENCE

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### Fraunhofer IOSB

Student Assistant (Hiwi)

Karlsruhe, Germany

Apr 2025 - Present

- Evaluated LLM-based AI data extraction against defined metrics, maintaining results at a  $\geq 90\%$  accuracy threshold.
- Refactored backend workflows and enhanced frontend design to improve system performance and user experience of the Digital Product Passport demonstrator.

### AirAsia

Software Engineer Intern

Kuala Lumpur, Malaysia

Jul 2023 - Oct 2023

- Enhanced software quality by conducting manual and unit testing, debugging critical issues, and improving app stability for 10,000+ users using Jira.
- Developed and integrated APIs using GraphQL for the IKHLAS mobile app, collaborating within a Scrum team to ensure timely feature delivery.

## SKILLS

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### Technical Skills:

- Programming Languages:** Python, Java, C/C++, SQL, Assembly.
- Frameworks & Tools:** Spring Boot, AWS, Docker, Flutter, Firebase, Git, GraphQL, REST APIs, Confluence, Jira
- Machine Learning:** PyTorch, Detectron2, scikit-learn.
- Operating Systems:** Linux, Windows.

**Language Skills:** Arabic: Native; English: Proficient; German: Intermediate.