# ABDALLAH MASSARWE

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## SUMMARY

**Recent Graduate in Information Systems — Specialization in Artificial Intelligence**
Solid foundation in machine learning, software development. Gained hands-on experience in creating applications through academic projects. Committed to utilizing technical abilities and innovative thinking to add value to a progressive technology team.

## EDUCATION

- **University of Haifa** — Israel, Haifa
  *Bachelor of Science in Information Systems, Specialization in Artificial Intelligence* — *2021-2025*
  - **GPA**: 84
  - **Relevant Coursework**: Machine Learning, Deep Learning, Data Structure and Algorithms, Database Management Systems, Software Engineering and Quality Assurance, Software Design and Programming

## SKILLS

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|---|---|
| **Programming Languages:** | Java, C, Python, Javascript |
| **Libraries / Frameworks:** | Spring Boot, React, Node.js, REST APIs |
| **Tools / Platforms:** | Git, Docker, Postman |
| **Databases:** | PostgreSQL, MongoDB |
| **Other:** | HTTP Protocol, Microservices, Agile/Scrum |

## PROJECTS

**Driving Lessons Management System**  *Android Studio, Java, SQL, HTML, CSS, PHP, JavaScript*

- Developed a full-stack mobile application to digitize lesson scheduling, payment tracking, and student record management, reducing manual processes by 50%.
- Designed and implemented a secure backend using Java and SQL with optimized queries.
- Built a responsive, user-friendly frontend using HTML, CSS, and JavaScript.
- Integrated automated SMS notifications using Twilio API and payment tracking features, enhancing communication with students.
- Followed Agile development methodology with iterative sprints.

**Snakes and Ladders Game**  *Java, Swing, Eclipse, Figma*

- Developed an interactive desktop game with a graphical user interface using Java and Swing, following the MVC design pattern.
- Created initial design mockups in Figma to ensure an intuitive user experience.
- Collaborated in a Scrum-based team environment under a Scrum Master, applying Agile practices to deliver functional increments.
- Enhanced code maintainability by applying object-oriented principles and conducting rigorous testing to ensure stability and smooth gameplay.

## COURSEWORK

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|---|---|---|---|
| **Data Structure and Algorithms:** | 84 | **Business Intelligence:** | 88 |
| **Software Design and Programming:** | 86 | **Machine Learning:** | 84 |
| **Software Engineering and Quality Assurance:** | 90 | **Information Visualization:** | 81 |
| **Database Management Systems:** | 88 | **Internet Based Systems Development:** | 98 |
| **Big Data Management:** | 97 | **Information Systems Analysis:** | 83 |
| **Data Communication:** | 83 | **Introduction to Data Science:** | 88 |
| **Blockchain and Distributed Ledger in Cyber:** | 93 | | |