

## Ahmad Awawdy

Aspiring Software Engineer seeking a new position to build impactful solutions

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### Education

#### Ben-Gurion University

Beer Sheva

#### Department of Engineering - Software Engineering

2020-2025

**Relevant Courses:** System Programing: 82, Object Oriented Programing: 88, Operating Systems: 80  
Extended System Programing Labs (Computer Architecture): 89, Analysis and Design Software Systems: 86  
Foundations of Software Engineering: 80, Software Project Workshop: 94, Seminar/Final Project 1: 94.

#### Udemy

#### The Complete Full-Stack Web Development Bootcamp

2025

Completed a 61+ hour hands-on Udemy bootcamp covering full-stack web development with HTML, CSS, JavaScript, React.js, Node.js, Express.js, and PostgreSQL, including projects on APIs, authentication, and deployment.

### Academic Projects

- **Market Management System:** Market Management System is a Java-based application designed to efficiently manage a market website, including user, store, product management, and order processing. This project leverages the power of the Spring Framework and Spring Data JPA for a robust data access layer and Hibernate for ORM and all operations within this project are designed to be thread-safe, comprehensive test suites, including unit, acceptance, and integration tests using Spring Boot.
- **Multi-Agent Pathfinding Simulator (ROS2 & Gazebo):** Engineered a modular multi-agent pathfinding simulation platform using ROS 2 and Gazebo to run complex, obstacle-rich scenarios with custom multi-pathfinding Python algorithms, Integrated Pygame for pre-simulation path visualization, built a Flask-based web interface (HTML/CSS/JS) for scenario management, and added support for exporting simulation performance metrics, Gained strong expertise in Python, Linux CLI, ROS 2 architecture, Git workflows, and collaborative development in low-documentation, research-driven environments

### Experience

**Wolt** Beer Sheva 2023 - 2025  
**Courier** Nof Hagalil 2025 - now

- Delivering a wide range of orders efficiently and on time while maintaining excellent customer service and reliability.

#### Ben-Gurion University

Beer Sheva

#### Private tutor

2021 - 2023

- A private tutor of Introduction to Computer Science course for first year university students, helping them solve tasks, understand the materials, and prepare for exams.

### Skills

**Technical:** Java, SpringBoot, Python, Flask, C++, C, C#, HTML, CSS, NodeJS, Express, JavaScript, JQuery, TypeScript, SQL.

**Tools:** Interested in AI and Multi-Agent Path Finding (MAPF), focusing on path planning and optimization algorithms, Strong problem-solving and troubleshoot issues skills, good understanding of Object-oriented programming, experience with Git, Multi-Threading, Linux Shell, Bash scripting, Test Driven Development (TDD), Unit Testing, Acceptance Testing, Junit, Pytest. Refactoring, Data Structures, Design Patterns, RestAPI, Data Bases; PostgreSQL, SQLite, Firebase.

**Language:** Arabic - mother language, English – fluent, Hebrew – fluent