






Yael Karat

Junior Software Developer

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About Me

Junior Software Developer with strong foundation in full-stack development (React, Spring Boot, Flask).

Experienced in AI-powered applications, big data analysis and web solutions through academic and personal projects.

Adept at problem-solving, fast learning and delivering clean, scalable code. Eager to contribute technical creativity and collaboration skills in dynamic development teams.

Education

B.Sc. in Computer Science

Jerusalem Multidisciplinary Academic Center
(formerly Hadassah Academic College)

(2021-2025)

Courses:

Cyber seminar,
Python,
SW testing & automation,
Big Data Analysis,
Computers architectures,
Web Development,
NLP and more.

Languages

- Hebrew - native
- English - Intermediate

Technical Skills

- **Frontend:** HTML, CSS, Bootstrap, Tailwind CSS, JavaScript, React, Thymeleaf.
- **Backend:** Python, Java, Kotlin, C++, C, Flask, Node.js, Spring Boot.
- **Databases:** MongoDB, PostgreSQL, SQLite, DuckDB
- **Testing & Automation:** Selenium, Test Automation Frameworks
- **Tools & DevOps:** Git, GitHub, Docker, Linux, Windows

Projects Experience

TruthLens

An AI-powered web application that detects misinformation and bias in social media content using **OpenAI's GPT-3.5-Turbo**.

Built with a **Flask** backend and **React** frontend, featuring bilingual support (English/Hebrew) and advanced natural language analysis.

Big Data Analysis Project

A comprehensive data analysis project using **SQL** and **Python** on a large weather dataset from Brazil. Utilized DuckDB and SQLite for data processing, complex SQL queries for insights, and Python scripting for automation and visualization.

Chat Room Web App

chat platform built using the **Spring Boot MVC framework**.

This application combines robust backend functionality with a friendly and Responsive UI to provide a seamless and interactive chat experience.

Pizza Ordering Website

Frontend development with **React** and Backend development with **REST API (Spring)**.