KHALIL DABBAH

Student Software Engineer

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SUMMARY

Software Engineering Student skilled in Java, Python,C and full-stack development, with a strong foundation in algorithms, databases, and object-oriented design.
Passionate about building impactful, data-driven solutions and collaborating in agile, product-focused environments. Completed AWS Digital Training in AI/ML and developed independent projects applying machine learning, APIs, and modern UI tools. Eager to grow in innovative tech teams and contribute to real-world applications.

EDUCATION

B.Sc. in Information Systems | University of Haifa   (October 2023 - present)
Relevant Coursework: OOP (92), Data Structures (89), Algorithms (89), Operating Systems, HCI
DB Management (91), Networking, Web Application Developing (92).

EXPERIENCE AND ACADEMIC WORK

Java Systems (Wine Store System, Hospital Management System) - Java, SQL, Swing, OOP

- Developed two full-featured desktop applications in Java with SQL database integration, implementing role-based access, JOIN queries, and automated report generation.

- Applied OOP principles, file serialization, exception handling, and modular GUI–DB design, showcasing strong skills in system architecture and real-world data modeling.

SELF INITIATED PROJECTS

Movie Recommendation Engine - Python, Pandas, Scikit-learn, TF-IDF   (June 2025)

- implemented a content-based recommendation system using TF-IDF and cosine similarity, achieving high prediction accuracy (~85%) validated through similarity scores and test queries.

- Processed and cleaned a dataset of 1.2M+ movies, building scalable pipelines and applying machine learning workflows, feature engineering, and data-driven application design.

AI Resume Analyzer   (March 2025)

- Built an AI-powered tool that parses resumes (PDFs) and based on a chosen job role, generates tailored recommendations to enhance and align the resume.

- Integrated PyPDF2 for text extraction, Streamlit for interactive UI, and GPT-based NLP analysis, demonstrating ability to combine AI/ML and user-centric design into a real-world solution.

PROGRAMMING LANGUGES AND FRAMEWORKS

Proficient with: Java, Python, SQL, C\C#.
Familiar with: JavaScript, TypeScript, Php, HTML, CSS.
Tools: Cursor, GitHub, IntelliJ, MySQL, MongoDB, Neo4j, React, REST APIs.

SOCIAL ACTIVITIES

- **2024-2025 Hasoub Pairs mentee:** gained mentorship from experienced software engineers on interviews prep, job search, and career growth through the program, which included tech company visits and community events.
- Attended major tech events, company tours, and hands-on workshops hosted by leading tech firms, gaining real-world insight into innovation, teamwork, and emerging technologies.

LANGUAGES:

· Arabic – Native   · Hebrew – Highly Proficient   · English – Highly Proficient