

Nicole Davidov

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Computer Science B.Sc. graduate with hands-on experience in software development, deployment, and team collaboration. Fast learner, passionate about clean code and scalable solutions. Seeking a full stack position to grow and contribute in a dynamic environment.

EDUCATION

B.Sc. Computer Science

2023 – 2025

Final-year student | HIT – Holon Institute of Technology | GPA: 90

PROJECTS

Profit Analyzer – Java Client/Server Project

Built a layered financial analysis system using JavaFX, TCP sockets, and algorithmic modules (Kadane, Prefix Sum). Developed a multi-threaded server and modular JAR components with JSON communication. Applied design patterns including Strategy and Factory for clean architecture.

Cost Manager – Full-Stack Expense Tracker

Full-stack expense tracking application with complete CRUD functionality, data visualization, and financial reporting capabilities.

- Frontend: React, Material-UI, Chart.js, IndexedDB
- Backend: Node.js, Express, MongoDB Atlas Implemented dashboards, filters, CRUD, and error handling with a RESTful API.

Study Buddy – AI Academic Assistant (Internal AWS Hackathon)

Designed the concept for an AI-driven academic assistant capable of analyzing student performance data using AWS services (S3, Lambda, Bedrock – simulated). Built a React-based chatbot prototype to demonstrate the planned product workflow. Collaborated on defining data flows, potential analysis methods, and user interaction design.

WORK EXPERIENCE

Technical Support Representative – Rimon Internet

2025 – Present

Provide tier-1 technical support for network and internet issues. Troubleshoot router and software setups via phone and remote tools while ensuring top-tier customer service.

SKILLS

Data & Databases: SQL, MongoDB, IndexedDB, Pandas, NumPy, EDA, Data Cleaning, Data Transformation, Visualization (Matplotlib, Chart.js)

Programming Languages: Python, Java, C++, C, JavaScript

Backend: Node.js, Express.js, Java (TCP, Threads)

Frontend: React, HTML, CSS, Tailwind, Material-UI, JavaFX

Tools & Cloud: Git, JUnit, AWS (S3, Lambda, Bedrock – simulated)

Architecture: OOP, MVC, Design Patterns (Factory, Strategy), Software Engineering Principles, UML

ARMY SERVICE

Observer on the Northern Border

2019 – 2021

Operated advanced surveillance systems (radar, video, command software). Managed real-time threat detection and trained new observers during high-pressure scenarios.

VOLUNTEERING

Israeli Connection Scholarship Program

2025 – 2025

Tutored students in Algorithms, Algebra, and Data Science using tailored learning strategies.

Lazarus Community Center – Holon

2023 – 2023

Provided math tutoring to 20+ students from various levels as part of a scholarship program.