

Nir Halfon

SUMMARY

Computer Science graduate with a strong foundation in algorithmic efficiency, OOP, and data structures. Experienced in developing scalable backend architecture and complex logic using Java, Python, and C++.

Seeking a Software Developer or Backend position to build robust, high-performance systems.

EDUCATION

2023 - Present | B.Sc in Computer Science
The College of Management Academic Studies, Rishon Lezion

Expected Graduation: August 2026

GPA: 87.5

Deep Learning Specialization

PROJECTS

"DeepGait" - Biometric Authentication System (Final Project)

Engineered a machine learning pipeline in Python utilizing Spatial Temporal Graph Convolutional Networks (ST-GCN) for skeleton-based pattern recognition, resolving model overfitting with a Siamese network and Triplet Loss.

GenAI Security Gateway – Backend & AI Security System

- Developed a security gateway for AI models to block prompt injections and data leaks.
- Built a dashboard for real-time audit logs, threat stats, and data exports using Python, FastAPI, Flask, Firebase, and Docker on AWS EC2.

Super Eats - E-Commerce Web Application

Built a full-stack e-commerce architecture using Node.js and MongoDB, featuring RESTful APIs for product management, user authentication, and asynchronous order processing.

"You're Safe" - 1st Place Winner, TechHeal Hackathon

Engineered core system architecture and backend components for a real-time PTSD intervention prototype, delivering a scalable prototype in a fast-paced environment.

PERSONAL BACKGROUND

EXPERIENCE / VOLUNTEERING

2023 - Present | Perach Project & Private Math Tutor

- Tutored math for individuals and student groups.
- Managed group dynamics and academic tracking.
- Built strong communication and mentoring skills.

MILITARY SERVICE

2018 - 2021 | Operational Logistics Assistant at Air Defence

- Managed logistics operations under pressure
- Ensured readiness through efficient coordination
- Built strong teamwork and problem-solving skills

CONTACT INFO

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 nirhalfonn@gmail.com

 [LinkedIn](#)

 [GitHub](#)

SKILLS

Programming Languages:

Java, C++, C, Python, JavaScript

Backend & Tools: Node.js,

FastAPI, Flask, MongoDB, SQL, REST API, Docker, AWS, Git

Core Concepts:

OOP, Data Structures, Algorithms, Design Patterns

SOFT SKILLS

Analytical thinking, problem-solving, mathematical reasoning, attention to detail

Proactive, fast learner, self-taught, continuous learning

Teamwork, interpersonal skills, mentoring

LANGUAGES

English | Advanced

Hebrew | Native