

Ahmad Danaf

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ABOUT ME

Driven and **innovative** aspiring Software Engineer with a proven record of **leadership**, **responsibility**, and commitment to impactful **contribution**. Experienced in **Python**, **JavaScript**, and **full-stack development**, and passionate about building **scalable software solutions**. A **collaborative team player** who thrives in dynamic settings and is eager to solve real-world challenges through technology.

EDUCATION

The Academic College of Tel Aviv-Yaffo
Bachelor of Science in Computer Science

Tel Aviv-Yaffo, Israel
Expected Graduation: 2025

- Coursework: **Data Structures**, **Algorithms**, **Operating Systems**, **Database Systems**, **Machine Learning with Python**, **Object-Oriented Programming**, **Advanced Programming in C**, **System Analysis**, and **Java Development**.
- Recognized on the **President's Honors List** for academic excellence.

PROFESSIONAL EXPERIENCE

Backend Developer, Volunteer [LinkedIn] [Website] [Source Code] 2023-Present

- Optimized backend infrastructure using **Python** and **Django**, improving system performance by **30%**.
- Managed data on **SQL DB** and integrated **AWS** for enhanced scalability, resulting in a **40%** increase in system capacity.
- Secured a **20,000 NIS** annual budget to support community initiatives and foster entrepreneurship in Jaffa.

PERSONAL PROJECTS

Java Project: Sheet-Cell [Source Code] 2024

- Developed a **Java-based** spreadsheet application with advanced **data validation** and **user-defined functions**.
- Built a **JavaFX GUI** and console interface, achieving **20% faster task completion** and enhanced usability.
- Enabled **real-time collaboration** with multi-user support and data synchronization.

SpaceCodey, a Platform for Astrophotographers [Website] [Source Code] 2023-2024

- Built a platform for astrophotographers featuring **ISS Tracker**, **Weather Comparison**, and **Astronomy Picture of the Day** using **Django**, **HTML**, **CSS**, and **JavaScript**.
- Increased user engagement by **35%** with a celestial event tracker and optimal shoot time calculator.
- Integrated **real-time weather data** and **SQLite** for scalable, reliable data storage.

VOLUNTEER EXPERIENCE

CoreC++ Conference, Volunteer 2023

- Collaborated with the organizing team to ensure a smooth and successful conference execution.

SKILLS

- **Programming Languages:** C, C++, Python, Java, JavaScript
- **Web Development:** HTML, CSS, JavaScript, React, Node.js, Express.js, Django, Flask, Spring Boot
- **Database Management:** SQL, MySQL, MongoDB, SQLite
- **Cloud & DevOps:** AWS, Azure, Docker, CI/CD
- **Software Engineering:** Object-Oriented Programming (OOP), Data Structures, Algorithms, RESTful API, JSON
- **Operating Systems:** Linux, Windows
- **Version Control:** Git, GitHub
- **Languages:** Hebrew (Native), English (High Proficiency), Arabic (Native)