

## Curriculum Vitae

### Personal Details

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### Education

- **Bachelor's Degree in Computer Science (B.Sc)**
    - I am 25 years young, started studying at Tel-Hai College and I am expecting to graduate in 2025.
    - Specialization: Software Development.
    - Final project: already scheduled a Full Stack project for the next semester.
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### Professional Experience

- **IT / Technical Support**

This is my first time writing a CV and applying for a formal position within an official company. However, I have approximately two years of experience working with CCTV cameras (both IP and analog).

Gained hands-on experience with installation, operation, and maintenance of surveillance systems for businesses, including remote management and security for CCTV configurations with up to 60 cameras, optimizing and maintaining the balance

between video footage quality and the overall bandwidth usage in scenarios where network bandwidth is limited and streaming the cameras to WAN is required.

Working in this field helped me Develop skills in interacting with cameras via API commands to configure features unavailable through web interfaces or dedicated installer applications.

Acquired a strong understanding of video codecs, recognizing their importance in reducing bandwidth usage and storage requirements while maintaining image quality, especially in large-scale setups. I am particularly interested in exploring further optimizations of codecs to balance compression levels with image quality and detail.

Familiar with various networking devices and services (e.g., port forwarding, NAT, QoS, IP/MAC filtering, Unicast, Multicast), I am also knowledgeable about generic network devices & Software Defined Networking (SDN).

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## Technical Skills

- **Programming Languages:** Python, Java, C, C++, Batch Scripts (Windows), HTML, CSS, JavaScript, MySQL.
  - **Tools and Software:** Eclipse, JetBrains (CLion, PyCharm), Cygwin Terminal, Spyder, Visual Studio/Code, VxWorks, Node.js, Apache HTTP Server, Command Prompt (Windows).
  - **Operating Systems:** Windows, Linux (Ubuntu), VxWorks.
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## Languages

- **Arabic:** Native speaker
  - **Hebrew:** Proficient (reading, writing, and speaking)
  - **English:** Advanced (reading, writing, and speaking)
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## Hobbies

- Automation of everything when possible, learning new technologies, linking and understanding the relations between the hardware, firmware and software aspects of devices.

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## Additional Notes

- I am at the beginning of my career and eager to gain experience in computer science-related fields.
- Available for part-time work alongside studies.
- Flexible with work hours and eager to integrate into professional teams.