

Igbaria Ahmad

+972504353769 | ahmdalir7@gmail.com | [linkedin.com/in/AhmadaliIgb19](https://www.linkedin.com/in/AhmadaliIgb19) | github.com/AhmadIgbaria19

PROFILE

Motivated Computer Science graduate with hands-on experience in software development, machine learning, and system programming. Proficient in multiple programming languages and building scalable, efficient algorithms. Skilled in deep learning, with projects in NLP and computer vision. Strong analytical mindset, problem-solving ability, and clear communication in team settings.

EDUCATION

University of Haifa <i>Bachelor of Science in Computer Science</i>	Haifa, IL <i>oct. 2020 – May 2025</i>
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PROJECTS

Software Engineering | Java High School Test System (HSTS):

- Computerized information system designed to streamline exam processes in high schools.
- A computerized system that streamlines high school exam processes, including question creation, exam generation, and grade management. Enhances efficiency, accuracy, and reliability for both staff and students.

Real-Time 3D Vision and Intrusion Alert System | *Python, OpenCV, YOLOv8*

- Detects intrusions and reconstructs 3D scenes using a single mobile camera, YOLOv8, and computer vision techniques. Includes real-time alerts via email with snapshot capture, leveraging 3D triangulation and feature matching.

Meetly | *Full-Stack, Scheduling Algorithms*

- Full-stack system for coordinating one-on-one meetings between students and professors. Features intuitive UI, intelligent matching, and seamless booking, waitlisting, and rescheduling.

TECHNICAL SKILLS

- **Programming:** Python, Java, C, C++, SQL, JavaScript (Node.js, React), HTML/CSS
- **Data Structures & Algorithms:** Extensive knowledge of data structures, algorithms, and their practical applications
- **Machine Learning & AI:** Expertise in Machine Learning, Deep Learning. Experience with image processing, NLP, and computer vision
- **Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ
- **Analytical & Problem-Solving:** Creative and systematic approach to complex challenges; experienced in full-stack development

VOLUNTEERING

Local Council Grant Scholarship - Umm El Fahim Founded and led a scholarship-backed coding program, teaching Python and C++ to high school students and fostering interest in programming	Nov 2023 – Aug 2024
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Perach Program Participant Participated in the Perach program for two years, a scholarship and support initiative aiding academic success and personal development.	Nov 2021 – Aug 2023
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LANGUAGES

Arabic – Native

English – Fluent

Hebrew – Fluent