# Abed Taha

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Computer Science student at **Ben-Gurion University** with a **GPA of 86.86**. Passionate about software engineering and eager to learn and adopt new technologies quickly. Experienced in object-oriented programming, Java and C++ development. Self managed, adaptable, and effective in collaborative, fast-paced environments. Skilled in Linux systems and networking protocols. Strong communicator with a record of successful community mentorship and volunteering.

## *Projects*

**Handwritten Arabic Text Recognition (OCR)**:
Developed a deep learning OCR model in TensorFlow combining CNNs and bidirectional RNNs with CTC decoding to recognize handwritten Arabic text from line images.

**Client - Server**
Networking: Implementing both a server, which provides "Simple-Text-Oriented Messaging Protocol" server services and a client, which a user can use in order to interact with the rest of the users ,the server support both Thread-Per Client(TPC) and the Reactor pattern in Java while the client in C++

**Ray Tracing : Implemented**
a ray tracer using a Simple C++OpenGL engine that shoots rays from the observer's eye through a screen into a scene of objects. The program calculates the ray's intersection with objects, finds the nearest intersection, and determines the color of the surface based on its material and lighting conditions

## Skills

Python • Java • JavaScript • C/C++ •  Linux • Windows• SQL • Team player • Excellent time management skills • Conflict management • Public speaking • Arabic(native) • English(fluent) • Hebrew(fluent)

## Education

2021- AUG 2025
**Bachelor of Computer Science | Ben-Gurion University of the Negev**

86.86  GPA • **Relevant Coursework**: Algorithms**,** Data Structure, **Operation systems**, Extended Lab in Computer Science.

## Activities

Hasoub on Campus BGU- Hasoub Pairs, Engaged in a mentorship program with Hi-Tech professionals, attending workshops, and receiving career development support.• Actively support new Arab students in integrating into the academic environment by providing guidance, mentoring, and helping them adapt to university life and study routines