

# MAJD SALAMEH - Software Engineering Graduate

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## About Me

Software Engineering graduate from Braude College, passionate about AI, software development, and real-world problem solving. Fast learner, strong in team collaboration, with hands-on experience in mobile, web, and deep learning projects

## Education

B.Sc. in Software Engineering, Braude College of Engineering, 2021–2025  
Final project and exams completed.  
Graduation expected September 2025.

## Skills

**Programming Languages:** Python, Java, C, C++, C#, JavaScript, HTML, CSS, Assembly

**Web & Software Development:** React, Next.js, Node.js, Preact, JavaFX, Server-Client Communication

**Mobile Development:** Android app development, activity lifecycle, fragments, GPS/location services, multithreading, cloud integration (Firebase)

**Databases:** MySQL, MongoDB (SQL & NoSQL), SQLite, Shared Preferences

**Tools & Platforms:** Git, Jubula, Firebase, Unity, Vercel, Heroku, Windows, Linux

**AI & Machine Learning:** Deep learning with PyTorch, 3D CNNs for video analysis, Transformer-based seq2seq models, lip reading, classification, sequence modeling

**Cybersecurity & Cryptography:** Encryption and decryption, secure data handling

**Computer Networks:** OSI/TCP-IP models, routing, congestion control, network setup, transport/application layers

**Data Compression & Processing:** Huffman, LZW, media compression, string matching

**Text & Sequence Algorithms:** String matching, alignment, text profiling, segmentation and comparison

## Projects

### Final Degree Project – Visual Speech Recognition

Built an end-to-end lip reading system using PyTorch, with 3D CNNs, Transformers, and video preprocessing for real-time text prediction.

### Augmented Reality App (Unity)

Built an AR application in Unity for mobile, integrating spatial interaction, game elements, and multimedia content.

### Social Network App

Built a full-stack app using React and NoSQL, featuring authentication, real-time chat, and live notifications, deployed via Vercel.

### Children's Book App (Flutter)

Developed a mobile app in Flutter to browse, upload, and download children's books, with Firebase backend integration.

### Park Management System

Developed a JavaFX desktop app with MySQL backend for scheduling, secure access, and admin control.

### WhatsApp Chat Bot

Created a chatbot with CRM integration, Google Sheets logging, and API-based automation for reminders and interactions.