

# ALI MEZHER

+961 81640366 | [amezher05@gmail.com](mailto:amezher05@gmail.com) | [LinkedIn](#) | Beirut, Lebanon

## Summary

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Enthusiastic and dedicated 3rd-year Computer and Communication Engineering student majoring in Software Engineering. Skilled in multiple programming languages and frameworks with a solid foundation in software development. Seeking an internship or job opportunity to gain hands-on experience and contribute to impactful projects.

## Education

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Antonine University, Baabda – Bachelor of Engineering in  
Computer and Communications (Master's Level)

(Expected Graduation Fall 2027)

## Technical Skills

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- **Languages & Web Development:** JavaScript, Java, C++, Python, SQL, HTML, CSS, Node.js, Express.js, React.js, REST APIs
- **Software Engineering :** API development, authentication, database design, debugging
- **Database Management:** MySQL, PostgreSQL, MongoDB (data structuring, performance optimization)
- **Tools & Platforms:** Git, GitHub, Visual Studio Code, MySQL Workbench, pgAdmin, Anaconda, data entry tools
- **Other skills:** Strong problem-solver, team-oriented and self-driven, adaptive learner

## Project Experience

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- **Student Information System (SIS) – C++**
  - Developed a university SIS with course enrollment, add/drop/swap functionality, and time conflict handling using file-based storage.
  - Implemented user authentication and role-based access for students and admins.
- **Semantic Search Engine – Java & MongoDB**
  - Built a search engine using Java and NLP techniques like tokenization and keyword extraction.
  - Integrated MongoDB to store and retrieve user search history for faster results.
- **E-commerce Management System – JavaFX & MySQL**
  - Developed a full-stack Java application with separate admin and customer roles.
  - Features include user/product/order management, shipping tracking, reviews, discounts, and sales report generation.
- **Online Workshops Platform – Node.js, SQL, HTML/CSS**
  - Built a full-stack platform for online workshop registration using Node.js, SQL, and EJS templating.
  - Created structured MySQL schemas and real-time user/session management
- **Engineering Services Website – React, Node.js, PostgreSQL (Ongoing)**
  - Developing a responsive web application with secure authentication and project/client tracking.
  - Uses GitHub for version control, React for front-end, and PostgreSQL for optimized data storage.
- **AI-Driven Robotic Arm – Python**
  - Developed a robotic arm simulation using gesture recognition to replicate human hand movement.
  - Integrated OpenCV with ML models to enhance gesture precision and real-time responsiveness.

## Languages

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Arabic: Native ,English: Fluent