

Zoulfikar Malak

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PROFESSIONAL SUMMARY

Computer Science student at AUST with experience in software development and system design. Skilled in building user-facing applications and backend systems using Java, C++, and web technologies. Interested in developing scalable software systems and real-world applications.

EDUCATION

From 2024 to Present	American University of Science and Technology Bachelor of Computer Science Expected Date of Graduation: 2027	Beirut, Lebanon
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PROJECTS

UniHub – Campus Management Mobile Application (Android Studio, Java, SQLite)

- Developed a mobile application that centralizes student services including schedules, events, cafeteria information, and lost-and-found management.
- Designed and implemented intuitive Android user interfaces using XML layouts and Android Studio.
- Built a structured backend with SQLite to manage user data, events, and application records efficiently.
- Implemented multi-screen navigation and user interactions using Android Activities and Intents.
- Applied object-oriented programming principles to create a scalable and maintainable application architecture.
- Collaborated on feature integration, testing, and debugging to ensure a smooth user experience.

UniPark – Smart Campus Parking Management System (JavaScript, Supabase, Vercel)

- Developed a web-based parking management platform for monitoring and managing campus parking occupancy.
- Implemented vehicle registration, zone-based parking allocation, and real-time parking availability tracking.
- Built an administrative dashboard with search, filtering, and parking analytics features.
- Integrated Supabase authentication and database services for secure user management and data persistence.
- Designed responsive user interfaces and deployed the application on Vercel for public access and testing.

Collabè – Collaboration Platform (SQL, Database Design)

- Designed and implemented a relational database system supporting collaboration between brands, influencers, and users.
- Modeled real-world workflows including service management, requests, offer-based negotiation, and payment tracking.
- Developed normalized database schemas with strong data integrity using primary and foreign key constraints.
- Implemented role-based user structures to support different system interactions and permissions.
- Focused on scalability and structured data design to support complex collaboration processes.

CareTrack – Hospital Management System (Java, Swing, SQLite)

- Developed a desktop hospital management system supporting doctors, nurses, receptionists, and administrators through role-based access control.
- Implemented patient records, appointment scheduling, medical histories, prescriptions, laboratory results, and vital-sign monitoring modules.
- Designed interactive dashboards, reporting tools, and audit logging features to support hospital operations and decision-making.

- Built a persistent backend using SQLite for secure data storage, retrieval, and management across multiple system components.
- Developed a comprehensive Java Swing GUI with modular architecture and object-oriented design principles.

CERTIFICATIONS

- **HCIA: Security V4.0 Course** - Huawei ICT Academy, 2026
- **AWS Academy Graduate: Cloud Developing** - AWS Academy, 2026
- **Introduction to Cybersecurity** - Cisco Networking Academy, 2025
- **CCNA: Introduction to Networks** - Cisco Networking Academy, 2025
- **IT Specialist: Python** - Certiport (Pearson VUE), 2024
- **IT Essentials: PC Hardware and Software** - Cisco Networking Academy, 2024

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, C#, Kotlin, PHP
- **Web Development:** HTML, CSS, JavaScript, jQuery, ASP.NET, JSON, XML
- **Backend & Systems:** OOP, System Design, Operating Systems, System Security
- **Databases:** SQL, Microsoft Access
- **Tools & Technologies:** Git, GitHub, AWS

SOFT SKILLS

Problem-solving, analytical thinking, debugging, collaboration, adaptability, and teamwork.

LANGUAGES

- English (Fluent)
- Arabic (Native)