

KARIM ASSI

Address: Beirut, Lebanon

Phone Number: +961-70-008668

E-mail Address:

assikarim10@gmail.com

EDUCATION

01/2023 - Current	American University of Beirut <ul style="list-style-type: none">Bachelor's in Computer and Communications EngineeringExpected Date of Graduation: December 2026GPA over 4: 3.97. Recognized 6x Dean's Honors	Beirut, Lebanon
09/2007 - 06/2022	Lycée Franco-Libanais Verdun <ul style="list-style-type: none">French Baccalaureate: Official in 2022Focus Area: Maths and PhysicsMention Tres Bien (cumulative 16.5 over 20)	Beirut, Lebanon

EXPERIENCE

06/2025 – 08/2025	MEA – Middle East Airlines Position Held: IT Systems Engineer Intern <ul style="list-style-type: none">Worked on securing and maintaining enterprise network infrastructure, including VLAN segmentation, Active Directory policies, and email/web filtering systems. Assisted in configuring Cisco switches and deploying virtual machines.Participated in cybersecurity-focused operations, including filtered communications and SITA protocol monitoring within MEA's infrastructure.	Beirut, Lebanon
21/06/2021 – 28/06/2021	ISF – Internal Security Forces Position Held: IT Intern <ul style="list-style-type: none">Gained foundational knowledge of security data management by observing server deployment and management processes	Beirut, Lebanon

PROJECTS ACCOMPLISHED

08/09/2025 – Current	An Intelligent Library & Learning System <ul style="list-style-type: none">Designed and implemented an AI-driven intelligent library platform using microservices, semantic search, and LLM-based learning tools.	
03/09/2025 – 12/12/2025	Cognify: AI Systems for Mental Health Support <ul style="list-style-type: none">Designed secure backend and AI components (chatbot, memory triggers, face recognition, text analysis) for cognitive support in dementia and Alzheimer's patients + Researched various security and ethics' topics throughout the project.	
01/04/2025 – 30/04/2025	Real-Time Multiplayer Racing Game with Central Server and Player Matchmaking <ul style="list-style-type: none">Developed a real-time two-player P2P racing game with matchmaking, spectator mode, and synchronized gameplay using Python sockets.	
01/02/2025 – 30/04/2025	Medical Appointments' Scheduling App including MedBOT <ul style="list-style-type: none">Implemented a Django-based medical scheduling system with an OpenAI chatbot for patient assistance.	

SKILLS

COMPUTER SKILLS:

Programming Languages: Python / C++ / JavaScript (basics) / Kotlin / MATLAB / RISC-V Assembly

Web, Mobile & Application Development: HTML / CSS / Angular / React / Flask / Django REST Framework / FastAPI (basics) / PyQt (GUI) / Android Studio

Databases & Data Management: PostgreSQL / MySQL / SQLite / Firebase (NoSQL)

Software Tools, Systems & DevOps: Git / GitHub / Linux (basics) / Docker / Secure Coding Practices / OWASP ZAP

Project Management & Collaboration: Jira / Trello / ClickUp / Miro / Slack / Microsoft Teams

Design & Productivity: Figma / Canva / CapCut / Microsoft Word / Excel / PowerPoint / Google Docs

LANGUAGES: Fluent in English, French and Arabic

REFERENCES

Available upon request