

AHMAD GHIYAD AL HERR

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Nationality: Lebanese

PROFESSIONAL SUMMARY

Recent Master's graduate in Computer and Communication Engineering with a strong foundation in network design, embedded systems, and wireless communication technologies. Equipped with advanced knowledge and hands-on experience from academic projects and internships. Eager to apply technical expertise in an entry-level engineering role, with a commitment to continuous learning and contributing to innovative solutions in the tech industry.

EDUCATION

Masters of Science in Computer and Communication Engineering Oct, 2022 - Jun, 2024

Lebanese International University – Lebanon

Bachelor of Science Telecommunication Engineering (Dean's honor list) Oct, 2018 – Jan, 2022

Lebanese International University – Lebanon

SKILLS SUMMARY

- **Technical:**
 - **Programming Languages:** Java, Python, C, C++, Assembly, PHP
 - **Database Management:** DB2, MySQL.
 - **AI and Machine learning:** ResNet, Yolo, PyTorch, Keras, TensorFlow.
 - **Front End:** Html, CSS.
 - **Mobile Application:** Java.
 - **Cybersecurity:** OSINT, Application Security, Cryptography, Infrastructure Security and Reverse Engineering.
 - **IoT**
- **Soft-Skills:** Communication, Team Collaboration, Problem Solving, Adaptability, Time Management.

WORK EXPERIENCE

Software Developer at IITC Stockholm – Sweden:

June, 2025 – Present

- Programming: Java, python, C.
- Networking.
- VoIP.
- SIP.
- RTP.

Technical consultant internship at ESolutions Riyadh - Saudia Arabia:

Oct, 2024 – June, 2025

- Training AI Models (Binary, Multiclass Classification).
- Networking.

- Linux (CentOs, Rhel).
- Websphere.
- Docker, Kubernetes, OpenShift Container Platform.
- Cognos.
- DB2.
- Python and Automation Scripts (Jython).
- Team communication, collaboration and Troubleshooting.
- Maximo Application Suite.
- Prime support training
- Ticket solving (Prime support)

PROJECTS

- **IRTP:** A novel Voice over IP (VoIP) Real-time Protocol for Patient-Doctor Online Meetings and Monitoring that carries real-time voice and medical data in the same stream while preserving good quality of service (QoS) for online medical care.
- **AI Asset Classifier (Binary and Multiclass Classifiers):** Developed and trained deep learning models using ResNet18 to classify asset conditions from images, implementing both binary (good vs. broken) and multi-class (e.g., car_good, chair_broken) classifiers. Applied transfer learning, data augmentation, and performance-based model saving to achieve high validation accuracy using PyTorch and torchvision.
- **Pdf To Excel Extractor:** A python script that handled the task of converting more than 1000 pdf document with similar format placed in the input folder. The script loops through all pdfs, and applies on each the functionality of extracting a specific bold number and tables and manipulating the data in the desired format before sorting the final table as an excel file.
- **Eyes Everywhere:** *Master Thesis project* of an advanced surveillance system that uses computer vision to detect, track, and identify individuals in real time. It features high-quality video recording, facial and body shape recognition, and a web-based interface for remote monitoring and control, making it valuable for security and law enforcement.
- **Dr.X Clinic System:** Senior project of a clinic system with web and mobile application interfaces. The system is used by a doctor, secretary and patients in order to facilitate the clinic's work.

CERTIFICATIONS

- Certificate of completion of the **Ethical Hacker** course offered by **Cisco Networking Academy**. **June 21,2025**
- Certificate of completion of the **Cybersecurity Essentials** course offered by **Cisco Networking Academy**. **June 21,2025**
- Certificate of completion of the **Introduction to Modern Ai** course offered by **Cisco Networking Academy**. **June 20,2025**
- Certificate of participation in the **Lebanese Universities CTF** by **Semicolon Academy**, (Winner of the local CTF) **June 25 ,2025**
- Certificate of completion of the Introduction to Cyber Security course by **Cisco Networking Academy**. **Feb 21,2022**

LANGUAGES AND INTERESTS

Languages: Arabic, English, French. | **Interests:** Technology, Reading, Sports.