

# Ahmad Sharara

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## EXPERIENCE

### Microsoft Licensing Presales Internship

June 2025 – July 2025

*CCI - ICT Innovation*

*Beirut, LB*

- Learned Microsoft licensing models and presales processes, gaining hands-on experience with product types, plans, and compliance requirements
- Assisted in preparing license quotations and tracking data using Excel, contributing to accurate client proposals and efficient workflow

### NLP Internship

May 2025 – June 2025

*Jaber Consulting*

*Beirut, LB*

- Built a sentiment analysis pipeline using MARBERTv2, AraBERTv2, and Asafaya, achieving up to 88% accuracy with an ensemble model
- Developed a full-stack app (Flask + React) for real-time and bulk sentiment prediction with model selection and visual metrics

### .NET Full Stack Developer Intern

July 2024 – Sept. 2024

*Integrated Digital Systems (IDS)*

*Beirut, LB*

- Developed and optimized back-end systems using C#, ASP.NET, and MVC, integrating Swagger APIs to unify data operations—enhancing efficiency by 25% and supporting faster delivery across 10+ development teams
- Collaborated on responsive, cross-browser front-end interfaces with HTML5, CSS3, JavaScript, and jQuery, leading to a 30% boost in user engagement, 15% growth in traffic, and 20% faster page load times

### Networking Internship

May 2024 – July 2024

*CNS - Solid Network*

*Beirut, LB*

- Gained hands-on experience with Cisco Networking fundamentals, including routing, switching, and network configuration, while shadowing senior engineers on real-world infrastructure projects
- Assisted in configuring and understanding F5 BIG-IP application delivery systems, contributing to load balancing and traffic management tasks in enterprise environments

### Lab and Teaching Assistant

Jan. 2023 – Dec. 2023

*Rafik Hariri University*

*Mechref, LB*

- Supported 50+ students in Engineering and Logic Design Labs, ensuring smooth experiment execution, full equipment functionality, and a 15% boost in overall lab efficiency
- Identified common student errors and implemented a structured feedback system, leading to an average improvement of two letter grades across the semester

## PROJECTS

### Aspect-Based Sentiment Analysis in Financial News | *Python, FinBERT*

Feb 2025 – March 2025

- Integrated fake news detection with a 98.6% accuracy ensemble (Logistic Regression, Naïve Bayes, Random Forest)
- Used TF-IDF vectorization, entity sentiment mapping, and visualizations including word clouds and ROC curves

### Prosthetic Arm Controlled using EMG and Voice Dependent Recognition

Sept. 2024 – April 2025

- Developed a dual-controlled prosthetic arm using uMyo EMG sensors and Pico Voice on Raspberry Pi 5, enabling seamless switching between muscle signals and voice commands with 50ms latency and 85%+ accuracy
- Engineered a 3D-printed hand with 7 DOF, powered by 7 servo motors and an ESP32 microcontroller, supported by a custom 12V, 15Ah power system for stable multi-hour operation

## TECHNICAL SKILLS

**Languages:** Python, C++, SQL (MySQL), JavaScript, HTML/CSS, C#

**Frameworks:** React, Flask, Laravel, Stripe API, ASP.NET MVC, .NET, Swagger

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, Arduino

**Libraries:** pandas, NumPy, Matplotlib, NLTK, SpaCy, TensorFlow, PyTorch, Hugging Face, XGBoost, SVM

## EDUCATION

### Rafik Hariri University

Mechref, LB

*Bachelor of Engineering in Computer and Communications Engineering*

*Aug. 2021 – May 2025*