

Ahmad Sharara

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EXPERIENCE

Software Developer

Jan 2026 – Present

Aligned Tech

Hazmieh, LB

- Architected and implemented scalable platform features including a bulk property upload system, WhatsApp conversation mirroring via Chatwoot, and automated customer support chatbots (Chatwoot, UChat), significantly improving listing management efficiency, communication tracking, and customer response workflows.
- Designed and delivered data analytics dashboards, optimized WordPress websites (custom themes, plugin integrations, performance tuning), and a Progressive Web App (PWA), enhancing platform performance, mobile accessibility, and enabling data-driven decision-making.

AI Developer Intern

Sep 2025 – Dec 2025

Apliman Technologies

Beirut, LB

- Built strong **AI/ML/DL** and **neural network** fundamentals by implementing **supervised** (logistic regression, SVM, decision trees, XGBoost) and **unsupervised** (k-means, PCA) models on **real datasets**, using proper **train/val/test** splits and comparing results via **accuracy, precision, recall, and F1**
- Advancing into deep learning with **PyTorch** and **TensorFlow**—reproduced baseline image/text classifiers, ran systematic hyperparameter sweeps (**learning rate, batch size, regularization**), and documented experiments in **Colab** with clear code, results, and production-ready notes

NLP Intern

May 2025 – Jun 2025

Jaber Consulting

Beirut, LB

- Fine-tuned **AraBERTv2/MARBERTv2/Asafaya**; soft-voting ensemble hit **up to 88% accuracy**. Shipped an MVP in **1 week** (Flask API + minimal React), then iterated to add **model selection** and **live confidence/label charts**
- Served models via **FastAPI/Flask REST** for real-time and batch, with **input validation** and **OpenAPI** docs; authored **reproducible training/eval** (accuracy/F1, confusion matrices) and experiment logging to enable **fast A/B tests** and **traceability**

PROJECTS

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

Feb 2025 – Mar 2025

- Implemented ABSA with TF-IDF and entity-sentiment mapping; shipped evaluation notebooks and a batch inference script (CSV outputs)
- Added claim-veracity pre-filter using an ensemble (Logistic Regression, Naive Bayes, Random Forest) with 98.6% accuracy; produced ROC curves and error analysis for QA sign-off

Prosthetic Arm Controlled using EMG and Voice Dependent Recognition

Sep 2024 – Apr 2025

- Built dual-mode control (EMG + on-device voice) achieving 50 ms sensing-to-actuation latency and 85%+ command accuracy; exposed REST control APIs and telemetry
- Engineered a 3D-printed 7-DOF hand powered by 7 servos via ESP32; designed a 12 V / 15 Ah power system for stable multi-hour operation

TECHNICAL SKILLS

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

Frameworks & APIs: FastAPI, Flask, ASP.NET MVC/.NET, React, jQuery, OpenAPI/Swagger, OpenAI API, Laravel

Developer Tools: Git, GitHub Actions (CI/CD), VS Code, Visual Studio, PyCharm, Arduino, Linux

AI/ML: PyTorch, TensorFlow, scikit-learn, Hugging Face, XGBoost, SVM, pandas, NumPy, Matplotlib, NLTK, spaCy

EDUCATION

Rafik Hariri University

Bachelor of Engineering in Computer and Communications Engineering

Mechref, LB

Aug 2021 – May 2025