

Wassim Bannout

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SKILLS

Programming Languages: Python, C, SQL, JavaScript, HTML/CSS

Machine Learning: Linear/Logistic Regression, Decision Trees, Random Forests, XGBoost, K-Means, PCA, Anomaly Detection, Recommenders, Reinforcement Learning

Deep Learning: Neural Networks, CNNs, Transfer Learning, TensorFlow, Keras

Model Evaluation: Feature Engineering, Regularization, Bias/Variance, Cross-Validation, Precision/Recall/F1, ROC-AUC, RMSE, Hyperparameter Tuning

Libraries & Tools: NumPy, Pandas, scikit-learn, Matplotlib, Jupyter, Git

Deployment & MLOps: Flask, Streamlit, Docker, Kubernetes, AWS Lambda, TensorFlow Serving/Lite, Pipenv

Languages: Arabic, English, French

WORK EXPERIENCE

HABannout CPA

Beirut, Lebanon

Accountant

Apr 2026 – Present

- Built a Python (pandas, openpyxl) tool that parses Excel trial balances, maps account codes against the Lebanese chart of accounts, validates that debits equal credits, and emits a formatted workbook with the balance sheet, income statement and prior-period comparatives, replacing a repeated manual process.
- Handle day-to-day accounting: ledger maintenance, reconciliations and month-end close.

IP Engineering Pro

Beirut, Lebanon

Software Developer

Jan 2026 – Feb 2026

- Built business applications on the ERPNext/Frappe platform (Python), including a point-of-sale system for a supermarket client, turning requirements into working ERP workflows.
- Executed end-to-end data migration for a banking client, validating and cleansing error-prone spreadsheets (malformed formats, missing columns) before import to preserve data integrity in the move to ERPNext.
- Extended the production codebase with a scheduled-automation feature supporting dual execution modes — an on-demand manual trigger and an automated daily run that eliminated a recurring manual task — delivered in Agile sprints tracked on Jira.

IDS Fintech

Beirut, Lebanon

Software Development Intern

Nov 2025 – Dec 2025

- Strengthened SQL and relational database fundamentals — query writing, schema design, and data integrity — within a fintech data environment.
- Ramped onto the .NET backend stack (C#, the Repository Pattern, Dapper) to build clean, testable data-access layers, in preparation for developing a full-stack library management system.

MyMonty

Beirut, Lebanon

Frontend Developer Intern

Mar 2025 – May 2025

- Built responsive, component-based UI in Angular and TypeScript, rapidly onboarding to the framework and applying it to hands-on frontend development.
- Translated design mockups into functional, responsive interfaces — layout, styling, and interactive components to spec.

PROJECTS

VoiceScript AI | Python, FastAPI, faster-Whisper, React, TypeScript, Ollama, Docker

[GitHub](#)

- Architected a speech-processing pipeline (FastAPI + faster-Whisper) with token-by-token LLM refinement streamed via Server-Sent Events (SSE).
- Designed a pluggable LLM interface supporting Ollama, OpenAI, and LM Studio across 5 domain presets, enabling provider swaps without application restarts.
- Containerized the system with Docker Compose for fully offline operation with no external data transmission.

EDUCATION

American University of Beirut

Beirut, Lebanon

Bachelor of Science, Computer Science

2023 – 2025

- Relevant Coursework: Algorithms & Data Structures, Operating Systems, Computer Organization & Design, Machine Learning, Data Science, Software Engineering

American University of Beirut

Beirut, Lebanon

Bachelor of Business Administration

2018 – 2021