Mohamed Harzallah

AI development and business automation

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Authorized to work in Canada | Available immediately

ABOUT ME

I may not have enough real job experience, but if there's anything I'm confident in, it's being a flexible jack of all trades and a fast learner. You don't have to hire me yet. Give me a real task, let me build a demo and show you what I can do to single-handedly speed up work across various tasks and departments. You can make the call after you've seen the work. I breathe Claude Code and OpenAI's Codex. I work 12 hours a day, every day, with AI tools. That hands-on use has given me a deeper, intuitive understanding of how they respond, where they struggle and how to guide them. Just for reference, in one month my AI usage was worth about CAD $200,000 at API prices.

EXPERIENCE

AI cold caller

Developed an AI cold caller that generates spoken replies during a cold call. Trained the language model with phone-call transcripts so its responses would follow the structure and tone of a real conversation.

Fine-tuned speech models and adjusted the generated audio to make the voice sound more natural. Compared infrastructure options and worked on reducing response delays so calls could continue without long pauses.

Product recognition and order checks

A camera-based system for checking the products and quantities being packed against a customer's order. It identifies visible product types, counts each type separately and highlights missing, extra or incorrect items. Staff get a report showing the expected quantities, the camera's counts and images of the items that need review.

For example, an order for 20 units of one product and 10 of another can still be wrong even if the total is 30. Comparing the two product counts reveals the wrong mix before shipping, so staff can fix the order instead of dealing with a return.

Method: AI object recognition and tracking, with a packing-list comparison and spreadsheet report.

Video production

Developed an AI system for creating YouTube videos. Used comments from anime-review videos as training material to explore what viewers responded to. Tested decision rules, scoring criteria and examples as ways to guide creative choices.

Set up inexpensive visual trials that produced dozens of examples. Selected the strongest results and developed them at higher quality, so more expensive production followed the visual selection.

Created history animations with AI using simple geometric 3D visuals.

Game development

Worked on eight Roblox games using AI coding tools.

AI learning series

Developing a long-form video series about deep reinforcement learning, where AI learns through repeated attempts and feedback. The work includes teaching AI to drive and take part in three-legged races in simulation.

EDUCATION & LANGUAGES

Tunisian Baccalaureate, secondary-school diploma

Pioneer High School, Tunisia | June 2025 | Score: 16/20

English · Arabic (native) · French (reading and writing)

PROJECTS

AI image and video models

Trained image and video generation models using LoRA, a method for adapting an existing model with new examples. Automated preparation of the training images, the written descriptions paired with them, and the training itself.

Personally checked which images were suitable for the training data. Built visual workflows that connect AI tools to automate and customize image and video production.

Video-to-animation model

Trained an AI model to convert video into animation for game cutscenes. The aim was to use recorded movement as the basis for animation and reduce the amount of movement made by hand.

Interactive 3D apartment tours

A phone recording of an apartment becomes a 3D scene that opens in a web browser. A viewer can change position within the captured space and inspect the rooms from different angles. This gives prospective tenants or buyers a clearer view of the layout before they arrange a visit.

The useful result is an interactive tour that an agent can send as a link. Viewers can explore the captured rooms at their own pace, helping them decide whether the property suits their needs.

Method: 3D reconstruction from recorded images using Gaussian splatting.

Supplier invoice checks before payment

A tool for comparing a supplier invoice with the purchase order. It checks product quantities and prices, and flags possible duplicate invoices. Each flagged item links back to the matching records, giving accounts staff a focused list to review before approving payment.

For example, an order for 100 items and an invoice for 120 would produce a quantity warning. Staff can inspect the two figures together and resolve the difference before paying. The same comparison helps find incorrect prices and repeated charges.

Method: Reading document tables, matching product records and checking values.

SEE WHAT I CAN DO

Give me a real task from your business, a few examples and the result you need. I will build a focused working demo and walk you through how it works. You will see what I can build, how I approach the problem and where it can reduce manual work before you make a hiring decision.