

HOUSSAM SAIDI

Data & AI Solutions Specialist | Software Developer

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PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in software development, data management, AI implementation, and business process automation. Proven track record in developing enterprise applications, managing ERP systems, building AI-powered solutions, and delivering data-driven insights that improve operational efficiency. Skilled in C#, Python, .NET, Power BI, workflow automation, and modern AI technologies, with a passion for leveraging emerging technologies to solve complex business challenges. Seeking to contribute technical expertise, analytical thinking, and innovation to a forward-thinking organization in software development, data, AI, or digital transformation roles.

WORK EXPERIENCE

Data Specialist | Baalbaki Chemical Industries (BCI) | Beirut, Lebanon *Apr 2025 – Jun 2026*

- Cleanse, validate, and standardize enterprise datasets to ensure accuracy and integrity across ERP systems.
- Execute structured data imports/exports and support complex data migration projects with minimal downtime.
- Collaborate with cross-functional teams to identify data quality issues and implement corrective workflows.

Junior .NET Developer | Baalbaki Chemical Industries (BCI) | Beirut, Lebanon *Oct 2023 – Apr 2025*

- Designed and developed Windows and web applications using the .NET Framework (C#), improving internal business processes.
- Built and maintained UI components for desktop and web platforms, following UX best practices.
- Administered and customized the company ERP system; performed testing, bug identification, and end-user support.
- Gathered, documented, and communicated requirements from stakeholders to the development team in a structured manner.
- Produced detailed report designs used by management for data-driven decision-making.

IT Intern | Baalbaki Chemical Industries (BCI) | Beirut, Lebanon *Jul 2023 – Oct 2023*

- Provided technical support for hardware and software issues, reducing downtime for 50+ staff.
- Assisted the IT team with infrastructure maintenance and internal system troubleshooting.

AI Implementation Specialist | Webedia Arabia | Beirut, Lebanon *May 2023 – Oct 2023*

- Researched emerging AI tools, frameworks, and algorithms to identify practical applications in digital media content production.
- Conducted internal training sessions on AI-enhanced content creation workflows, upskilling team members.
- Ran controlled experiments evaluating the accuracy and efficiency of AI models for Arabic written content.
- Authored Arabic content and proposed workflow improvements based on AI performance findings.

Web Developer | Focus Far Digital Marketing | Beirut, Lebanon *Summer 2020*

- Built and maintained client websites using WordPress, HTML, CSS, JavaScript, and PHP.
- Gained hands-on experience in both frontend and backend web development within an agency environment.

KEY PROJECTS

N8N Automation Projects — N8N, AI APIs, Gmail, Google Sheets, Telegram *2025 – 2026*

- **Ticketing System:** Built an AI-powered email/form triage pipeline that classifies issues and routes them to the appropriate support team automatically.
- **Gmail Cleaner:** Automated inbox management agent that intelligently marks emails as read based on relevance.

- **Expense Tracker:** Telegram bot that parses user expense messages and logs structured data to Google Sheets via an AI agent.
- **Alfred Chatbot:** Conversational AI bot on Telegram (voice + text) modeled after Alfred Pennyworth.

FileFlow AI — RAG Q&A System — *Python, Docker, ChromaDB, SQLite, LLM (OpenRouter)* 2026

- Engineered a document intelligence agent that ingests PDFs, Word, PowerPoint, and Excel files and answers natural-language queries with exact source citations.
- Implemented a full RAG pipeline using vector embeddings (all-MiniLM), ChromaDB for semantic search, and SQLite for chat history and answer caching.
- Containerized the full stack with Docker for portable, reproducible deployment.

Watchable — Movie & TV App — *React Native, JavaScript, Tailwind CSS, TMDB API, Expo* 2026

- Developed a cross-platform Android app for discovering, tracking, and rating films and TV shows using the TMDB API.
- Implemented local persistent storage for user watch-later lists, watched history, and personal ratings.

Available on Google Play Store (upcoming)

Ya Zalame Drive! — Mobile Game — *Unity, C#* 2025

- Designed and published an endless driving game to Google Play featuring car shops, animated obstacles, level transitions, and integrated ad monetization.

Tumor Detector — ML Model — *Python, TensorFlow, Keras, Flask, HTML/CSS* 2025

- Trained a custom convolutional neural network on Kaggle MRI data to classify 4 types of brain tumors with high accuracy.
- Built a Flask-based web UI allowing clinicians to upload MRI scans and receive instant predictions.

EDUCATION

BS in Computer Science | Lebanese American University | Beirut, Lebanon June 2024

Lebanese Baccalaureate — TES | Lycée Français International Elite | Beirut, Lebanon 2019

CERTIFICATIONS

- **AI & Data Management** – Lebanese American University (LAU) 2026
- **Modern Full-Stack Development with AI Tools** – OnRamp Academy 2026
- **Claude Code in Action** – Anthropic 2026
- **Microsoft Certified: Power BI Data Analyst Associate** – Microsoft 2024

TECHNICAL SKILLS

- **Languages:** C#, JavaScript (ES6+), Python, C, Java, SQL
- **Frameworks & Libraries:** .NET Framework, React Native, Node.js, Flask, TensorFlow, Keras, jQuery, Expo
- **Mobile & Game Development:** Android Studio (Java), React Native, Unity (C#), GDevelop, Roblox
- **Databases:** SQL Server, MongoDB, SQLite, ChromaDB (vector DB), Supabase
- **Tools & DevOps:** Docker, Git, N8N (automation), Claude Code, Google Colab, VS Code
- **Data & AI:** Power BI (certified), Machine Learning (scikit-learn, pandas), RAG pipelines, LLM integration (OpenRouter API), N8N AI agents

LANGUAGES

Arabic: Native | **English:** Fluent | **French:** Intermediate