

Farah Malaeb

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SUMMARY

Skilled Software Engineer with a foundation in AI and Machine Learning, specializing in deep learning, NLP, and full-stack development. Proficient in building applications using ReactJS, TensorFlow, and PyTorch. Experienced in deploying AI-driven solutions, optimizing algorithms, and collaborating in agile environments. Passionate about using technologies to solve problems and enhance user experiences.

CORE COMPETENCIES

AI-driven solution development, Full-stack software architecture, Model deployment and evaluation, Multilingual NLP applications, Data-driven decision making, Algorithm optimization, Frontend performance tuning, Human-centered design, Research-based development.

PROFESSIONAL EXPERIENCE

Freelance Web & Mobile Frontend Developer | Self-employed September 2024 – Present

- Built and maintained web and mobile user interfaces, ensuring responsiveness, accessibility, and compatibility across devices using ReactJS, React Native, and cross-browser testing strategies.
- Developed an AI-driven emotion detection and mental health crisis monitoring feature for a journaling app, analyzing user entries to detect moods, sarcasm, and language indicating potential self-harm, providing real-time feedback and resource recommendations.
- Collaborated with clients and designers to refine UI/UX components based on feedback and user behavior data, resulting in enhanced usability and customer satisfaction.
- Designed and deployed custom e-commerce and CMS-driven websites using Shopify and WordPress, optimizing for SEO, site speed, and seamless checkout experiences to drive client conversions.
- Conducted code reviews, integrated RESTful APIs, and managed version control with Git to maintain clean codebases and streamline deployment cycles.
- Applied agile methodologies in project management, participated in sprint planning, and used tools like Jira to track progress, prioritize tasks, and ensure on-time delivery.

AI Automation Engineer Intern | Open Minds AI Hamburg – Remote April 2026 – July 2026

- Built a full end-to-end AI-powered B2B lead generation and outreach system from scratch, integrating Apollo.io, HubSpot CRM, Gmail API, and Groq AI into a single automated pipeline.
- Developed Python automation scripts for web scraping (BeautifulSoup, Playwright), AI-based lead enrichment and scoring, and personalized outreach generation using LLMs (Groq Llama-3.3-70b).

- Designed and implemented a multi-pipeline HubSpot CRM architecture supporting 4 business ventures, with custom contact properties, deal pipelines, and automated status tracking.
- Built an OMAH-branded lead intelligence dashboard using Streamlit, featuring real-time pipeline metrics, AI-generated lead overviews, email drafts, and region-based filtering.
- Integrated AI overview generation and personalized outreach email drafting per lead using the Groq API, with results saved directly to HubSpot contact properties.

Freelance Platform Administrator | Future Minds

February 2026 – Present

- Orchestrate platform operations for an educational ecosystem, managing instructor onboarding, course deployment, and front-end content updates.
- Execute UI/UX enhancements through a specialized CMS admin panel to optimize platform design and improve the learner experience.
- Audit and manage system access for various user roles, ensuring secure and efficient internal workflows for instructors and staff.
- Monitor platform performance and content readiness, serving as the primary point of contact for technical troubleshooting and design consistency.

AI Intern | ITXI – Beirut, Lebanon

May 2024 – June 2024

- Explored foundational AI concepts through practical assignments involving language models, focusing on learning prompt engineering, generative AI, and performance evaluation techniques.
- Used OpenAI APIs to build and fine-tune natural language generation applications, incorporating best practices for ethical use and user interaction.
- Collaborated on research initiatives involving LLMs and text-to-text tasks, including summarization and Q&A systems, applying insights from academic literature.
- Documented development workflows and presented findings to technical mentors, highlighting limitations, challenges, and proposed future improvements to AI model applications.

Backend Intern | Arabia Intelligence – Riyadh, KSA

February 2024 – March 2024

- Designed a Python-based menu generator using structured JSON inputs, enforcing business constraints and automating repetitive tasks to improve backend efficiency.
- Assisted in database schema design and RESTful API development, working on data flow integrations between frontend modules and backend services.
- Participated in sprint retrospectives, offering feedback on backend architecture decisions while learning industry-standard best practices in deployment and scaling.
- Wrote unit tests and debugging scripts to validate backend modules, improving code stability and reducing post-deployment errors in production.

EDUCATION

Master of Science in Applied Artificial Intelligence Lebanese American University	Present
Bachelor of Science in Computer Science University of Balamand (UOB)	August 2023

PROJECTS

Explainable AI for Medical Report Summarization March 2025

Developed a summarization model for Arabic medical reports using transformers to enhance healthcare documentation efficiency, accuracy, and readability. Emphasized interpretability to maintain transparency and trust in AI-generated content.

Technologies used: Python, Hugging Face Transformers (T5, AraBERT), Explainable AI, NLP, Jupyter Notebook.

Data Science Project December 2024

"Developed a data science application that assesses applicants' market readiness by matching resumes to job postings and a predefined skill set. The tool filters jobs by keywords (e.g., 'data scientist', 'analyst') and compares extracted skills to the applicant's resume, helping tailor CVs to job market demands.

Technologies used: Python.

Recurrent Neural Network (Machine Learning) April 2023

Implemented and trained Recurrent Neural Networks to analyze time-series and sequential data patterns, improving predictions for language modeling, classification, and signal processing tasks.

Technologies used: Python, Keras, TensorFlow, RNN, LSTM, Jupyter Notebook.

EDUCATION

Building and Deploying a Full Stack E-Commerce MERN Application TECHlarious	March 2023
Introduction to Cybersecurity CISCO Academy	January 2022
CCNA Routing and Switching: Introduction to Networks CISCO Academy	September 2020

OTHER

Technical Skills: Python, JavaScript, HTML, CSS, ReactJS, Next.js, TensorFlow, PyTorch, Scikit-learn, Hugging Face, Keras, OpenAI API, MySQL, MongoDB, RESTful APIs, GitHub, Bitbucket, Jupyter Notebook, Visual Studio Code, Android Studio, Xcode, Jira, Pandas, NumPy, Matplotlib, JSON, Firebase, Docker, WordPress, Shopify, Search Engine Optimization (SEO), Groq API, HubSpot API, Apollo.io, Playwright, Streamlit

Soft Skills: Problem-solving, Adaptability, Communication, Team collaboration, Critical thinking, Attention to detail, Time management, Creativity, Agile mindset, Initiative, Empathy, Decision-making, Active listening.

Languages: Arabic (native), English (professional working proficiency).