

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.
- Collaborated with clients and designers to refine UI/UX components based on feedback and user behavior data, resulting in enhanced usability and customer satisfaction.
- 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 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 **April 2026**

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.

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).