SAKHER YAISH

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Experience

Founder & CTO, Lines Printing – Chicago, Illinois - 06/2024 to Present

- Led **full-stack development** of an **AI-powered recommendation system deployed** on **AWS**, projected to increase personalized product recommendations by 25%, contributing to higher user engagement.
- Designed and built the **full-stack** of the company's e-commerce platform using **Laravel** from scratch, managing 100+ SKUs and enhancing site performance by 30%, leading to a 20% boost in engagement.
- Implemented an AI **chatbot** using **agentic RAG LLM architecture**, improving customer experience and reducing support response time by 40%.

Software Engineering Intern, Budget Buddy– Chicago, Illinois – 07/2023 to 12/2023

- Developed and deployed a **machine learning model** for budget **optimization** using **azure ML**, reducing user expenses by 25%, resulting in enhanced financial efficiency for users.
- Improved website engagement metrics by 30% through **full-stack** development strategies, increasing traffic and retention
- Collaborated with **cross-functional teams** using **Agile** methodologies to rapidly iterate and **deploy** machine learning solutions.
- **Built and deployed REST APIs** for ML model inference, enabling **seamless integration** with the platform.

Web Developer, Vision ME– Amman, Jordan – 01/2020 to 06/2020

- **Designed** and **developed** Vision Middle East's website from scratch, resulting in a 28% increase in user engagement and a substantial rise in online sales due to enhanced **front-end and back-end** functionalities.

Projects worked on ([My Github](#))

- **Arabic Sign Language Recognition using computer vision**: Achieved 97.5% accuracy in recognizing and translating Arabic sign language using a custom **vision Resnet transformer architecture**.
- **Sentiment Analysis**: Developed a **parallelized** sentiment analysis **pipeline** for **large-scale** text data processing using **PySpark** and **Pandas** for **batch processing** and **feature extraction**
- **Student Club Management Dashboard: Developed** an all-in-one platform using **HTML, CSS, JS, SQL**, and **Laravel**, integrated with Discord **API** for announcements and member management.

Education

Master's in Artificial Intelligence | Bachelor's in Computer Science, Expected in 05/2025

Illinois Institute of Technology - Chicago, IL

- **Dean's List**, Presidential Leadership Scholarship Recipient
- Relevant Coursework: Computer Vision, Deep Learning, Online Social Network Analysis, Data Structures and Algorithms, Data Mining, Machine Learning, Intro to AI, Natural Language Processing (NLP), Big Data • IIT Machine Learning Club Member

Skills

- **Programming & Development:** Python, JavaScript, SQL, Java, PHP, R, HTML, CSS
- **Web Development**: Full-stack development, website optimization, PHP Laravel, API integration, React, NodeJs
- **Machine Learning & AI**: Machine learning, neural networks, natural language processing, computer vision, deep learning, Keras, TensorFlow, Transformers, CNN, RAG, LLM, fine-tuning, agentic AI, MLOps
- **Big Data & Cloud Computing:** PySpark, Hadoop, Azure, AWS, Kafka
- **Tools & Libraries:** TensorFlow, Pytorch, Keras, Pandas, Scikit-learn, Matplotlib, Power BI, Agile, PySpark
- **Deployment, cloud, & DevOps**: Azure ML, AWS, Docker, CI/CD, Kubernetes, streamlit, restful API, cloud storage, Hadoop