

Saja Saleh AL-khatib

Software developer

✉ sjalkhatib@gmail.com

☎ 07 7518 2365

📍 Irbid

📅 2001/02/24

🌐 [linkedin.com/in/saja-alkhatib-a22aa4285](https://www.linkedin.com/in/saja-alkhatib-a22aa4285)

🐙 github.com/sajaalkhatib

Education

2021 – 2024
irbed, Jordan

Bachelor of Computer Science
Balqa Applied University

Profile

As a software developer, I am highly adaptable and committed to crafting innovative solutions. I possess strong problem-solving skills and a deep understanding of object-oriented programming. Additionally, I am well-versed in all aspects of the software development life cycle and capable of seeing projects through from start to finish.

Professional Experience

2024/06 – 2024/12
irbed, Jordan

Machine learning
Orange-YU Lab

I have completed comprehensive training in Python programming and machine learning, where I developed a strong foundation in essential concepts such as data types, loops, functions, and file handling. I gained proficiency in key libraries, including NumPy for numerical computations, Pandas for data manipulation, Matplotlib for data visualization, and Scikit-learn for implementing machine learning algorithms. My training encompassed the entire machine learning process, from data collection and preparation to visualization, with a focus on supervised and unsupervised learning techniques. I implemented core algorithms, such as regression, classification, and clustering, to solve practical problems. Additionally, I explored artificial intelligence, particularly in Natural Language Processing (NLP) and Deep Learning, and became familiar with Orange, a visual programming tool for data mining that allows for efficient analysis without extensive coding. This training has equipped me with robust skills across the machine learning pipeline, enhancing my ability to handle data and develop advanced AI solutions.

2024/06 – 2024/09
irbed, Jordan

web development
Orange-YU Lab

The Web Development Training program focused on equipping participants with essential skills to build modern, responsive web applications. It covered both frontend and backend technologies, including HTML5, CSS3, and JavaScript for structuring and styling web pages, as well as JavaScript frameworks like React and Angular for component-based development. Participants also learned to use Bootstrap for rapid UI development and customization, along with core JavaScript concepts such as DOM manipulation and ES6+ features. SQL and database integration were introduced for performing CRUD operations and connecting to the backend, with additional exposure to server-side programming through Node.js or ASP.NET MVC. The training emphasized the use of Git for version control, enabling collaboration via GitHub. To consolidate their learning, participants completed a capstone project, developing a fully functional web application that integrated frontend, backend, and database management.

Skills

Python, Java, C++, C#, HTML, CSS,
Bootstrap, JavaScript,



Oracle, MySQL, SQL



Projects

2024/02 – 2024/06

BAU-Chatbot

The BAU-Chatbot is an intelligent conversational assistant developed for a graduation project at Al-Balqa University. Built using Python, it employs the Tkinter library for a user-friendly interface and the Natural Language Toolkit (NLTK) for natural language processing (NLP). The chatbot is tailored for Al-Balqa University students, providing meaningful responses to their inquiries based on predefined information.

Key Features:

- User-Friendly Interface:** Simple and intuitive GUI designed with Tkinter for easy interaction.
- Natural Language Understanding:** Utilizes NLTK to process and understand user inputs, enabling accurate response generation through tokenization, sentiment analysis, and intent recognition.
- Conversational Flow:** Designed to grasp user intent and deliver contextually relevant responses, enhancing the conversational experience.
- Machine Learning Integration:** Incorporates algorithms to improve response accuracy and quality by learning from user interactions.
- Database Integration:** Manages user information and conversation logs to retain context and personalize interactions over time.
- JSON File for Predefined Responses:** Stores tailored questions and answers in a JSON file, ensuring consistent and accurate information delivery for students.

Languages

• Arabic

• English