

Moamin Al-Juboori

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TECHNICAL SKILLS

Programing Languages: C | Python | Java | JavaScript | HTML | CSS | MATLAB | React

Tools and Operating Systems: GIT | GitHub | GitLab | GitHub Desktop | Microsoft Excel | Linux | MacOS | Windows

EDUCATION

Bachelor of Engineering, Computer Engineering

Sept 2021- April 2025

University of Guelph

Relevant Coursework: Discrete structures in computing (I, II), Data Structures & Algorithms, Object-Oriented Programming for Engineers, Digital Systems Design, Signal Processing, Engineering Systems Analysis.

- Extra courses in **CodeCademy**: Memory Allocation in C, Learn intermediate Python 3, Learn intermediate Java.

PROJECTS

Finance Tracker | [GITHUB](#)

2023-Present

- Developed a finance tracker app using **React**, providing automated transaction categorization, personalized budgeting plans, and financial analytics, integrated with **RESTful API**.
- Prepared for future expansion with predictive budgeting and investment tracking, incorporating **machine learning** for financial insights and fortified by robust **encryption** and **authentication**.

WeatherApp | [GITHUB](#)

2023-2023

- Engineered a **Flask-based** weather application with **real-time API** integration, showcasing mastery in **server-side programming** and user-driven data presentation.
- Combined **JavaScript**, **HTML**, and **CSS** to craft an **interactive front-end**, emphasizing expertise in **dynamic web content** and **responsive design**.

Sudoku Solver | [GITHUB](#)

2022-2022

- Developed a **Python**-based Sudoku solver applying a recursive **backtracking** algorithm, highlighting problem-solving and advanced **algorithmic** proficiency, coupled with a randomized puzzle generator for varied challenges.
- Improved user interaction time by **30%** through the design of a responsive **GUI** with **Tkinter**, demonstrating capabilities in **event-driven** programming and user experience optimization.

EXTRA CURRICULARS

Professional Affiliations: IEEE Executive member, Debate Club Executive

2023– Present

Languages: Arabic (native), English (Proficient)