

MOHAMED AMINE GABSI

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Education

McGill University

Bachelor of Computer Engineering

Expected Graduation: May 2028

Montreal, QC

- Courses: Fundls of Software Development, Digital Logic, Operating Systems, Computer Organization (2026), Model-Based Programming, Algorithms and Data Structures, Intro. to Software Systems, Design Principles and Methods (2026), Intro. to Software Engineering (2026)

Work Experience

Scoop Informatique

July 2025 – Aug 2025

Tunis, Tunisia

AI Developer Intern

- Developed a **ChatBot** using the **OpenAI API** that helps the customers to find the product they need according to the use that they describe
- Used **Puppeteer** to scrape the Data from the company website dynamically instead of going directly to the DataBase and avoiding conflict unavailable products stored in the database archives
- Integrated the **ChatBot** on the company website

McGill Formula Electric (MFE)

Sept 2024 – Present

Montreal, QC

Software Team Member and Researcher

- Merged the **Data** received by a Lidar sensor and a Stereo camera to make it usable for a **Machine Learning Program**
- Applied the **YOLOv8 Machine Learning Model** for **Autonomous Vehicle** decision-making
- Ensured smooth integration of the **Autonomous Algorithm** with the vehicle control system.

Dwaya

Jan 2022 – May 2022

Tunis, Tunisia

Fullstack Developer Intern

- Acquired proficiency in using **Redux**
- Executed **Small-Scale Projects** for skill enhancement and practical application
- Employed **ExpressJS** for web server implementation
- Integrated **Multi-Language Support** (Arabic, English, French, German)

Projects

Vegity | Website

ReactJS | ExpressJS | MongoDB

- Developed and deployed a full-stack web application that helps reduce food waste in high-school
- Utilized **MongoDB** for data storage, **ExpressJS** for a **RESTful API** backend, and **ReactJS** for the user interface

ScoopAI

JavaScript | OpenAI API | ExpressJS

- Made a **ChatBot** from scratch for a company using the **OpenAI API** and **ChatGPT 4.0 Model** to help customers choose a computer to buy by **scrapping** the products dynamically from the website

Leadership

Chief of sponsorship and finance committee | LIMOUNIR

Aug 2022 – Aug 2024

- Implemented effective strategies to facilitate smooth fund withdrawal
- Cultivated collaborations with other associations, fostering partnerships
- Efficiently managed task allocation among members, fostering motivation and productivity
- Assumed responsibility for managing and curating engaging content on the organization's social media accounts
- Created posters for events and designed membership cards
- Took care of the logistics and member recruitment

Technical Skills

Languages: Python, Java, SQL, HTML5, CSS, JavaScript, C, VHDL

Developer Tools: Git, Linux, Docker, Postman, Jira, Trello, JUnit, Netlify, PostgreSQL, MongoDB, Umple

Libraries/Frameworks: ReactJS, ExpressJS, NodeJS, TensorFlow, Scikit-learn, NumPy, Pandas, Matplotlib, Spring Boot, Java FXML