

Mohammad Nabulsi

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EDUCATION

Concordia University

Bachelor of Computer Science

Montreal, QC

2024 – Present

- Expected Graduation: December 2027; seeking a summer internship starting May 2027
- Relevant Coursework: Data Analysis, Data Structures, Object-Oriented Programming, Computer Graphics, Artificial Intelligence

EXPERIENCE

App Development Intern

ProgressSoft

May 2025 – Aug. 2025

Amman, Jordan

- Contributed to software development within a team of 5 on the Application Development team, building and maintaining mobile app features using Flutter and Dart for banking and financial clients
- Collaborated closely with senior developers to implement features and perform debugging within an established production codebase
- Gained hands-on experience across the mobile development lifecycle, programming languages, and client requirements in a professional financial software environment

PROJECTS

MyLingo | *React, Vite, TensorFlow.js, MediaPipe, Python* | github.com/nabulsi019/lingo

2026

- Trained a custom ASL alphabet recognition model in Python/TensorFlow on 87,000+ images, achieving 95% test accuracy, and deployed it for real-time browser inference with TensorFlow.js
- Built a browser-based real-time hand gesture recognition platform that converts sign language to text and speech for deaf and hard-of-hearing users
- Implemented real-time hand and face tracking at 60fps using MediaPipe Holistic, with a three-tier gesture classification system (pretrained, custom, and trained ASL models)
- Built a custom gesture creator, canvas-based skeleton overlay, and text-to-speech output via the Web Speech API; deployed live at lingo-sage-chi.vercel.app

Youni | *React Native, Expo, TypeScript, Firebase* | github.com/nabulsi019/Youni

2026

- Built a full-stack campus social network app with React Native and TypeScript, combining course discussions, student networking, marketplace, and messaging
- Implemented authentication, real-time friend requests, and live private messaging using Firestore listeners and Firestore transactions
- Designed Firestore security rules and a typed service/navigation/screen architecture in TypeScript

Safferni | *Duffel API, Stripe, REST APIs, LLM-based Trip Planning* | safferni.site

2026

- Co-building a travel booking app with natural-language trip planning powered by an LLM (generative AI) and prompt design, with flight booking through the Duffel API
- Designed a multi-API architecture (flights via Duffel, separate hotel API, Stripe payment layer with a service-fee model) and analysed working-capital and reconciliation risks
- Defined the backend REST API layer and core endpoints for search, booking, trip retrieval, and cancellation

ACHIEVEMENTS

Hack 2026 | *1st Place, Cybersecurity CTF-Style Hackathon*

Montreal, QC

- Won 1st place as part of a 4-person team, competing against other teams by solving a series of cybersecurity flags/challenges under time pressure
- Collaborated in a fast-paced, high-stakes environment requiring rapid problem-solving and teamwork under tight time constraints
- Sustained a 24-hour, non-stop push identifying and exploiting vulnerabilities under continuous time pressure – a high-intensity test of stamina and focus

TECHNICAL SKILLS

AI / Machine Learning: LLM integration, generative AI, prompt engineering, TensorFlow, TensorFlow.js, model training & fine-tuning, computer vision (MediaPipe); learning: RAG, embeddings, LLM agents

Languages: Python, Java, JavaScript, TypeScript, Dart, C/C++, SQL

Frameworks & Tools: React, React Native (Expo), Flutter, Vite, Node.js

Databases & Backend: Firebase / Firestore, SQL, REST API design & integration, backend systems

Concepts: Data Structures & Algorithms, Git, REST APIs, Software Development, Debugging, Cloud Computing