

Alvi Shariar Matin

438-336-0965 | alvimatin@gmail.com | linkedin.com/in/alvi | github.com/Meltcus | alvimatin.dev

EDUCATION

Concordia University

Montreal, QC

Bachelor of Computer Science, Joint Major in Data Science

- **Relevant Coursework:** Data Structures & Algorithms, Database Systems, Operating Systems, Object-Oriented Programming, Machine Learning, Software Engineering, Computer Networks, Deep Learning

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C#, SQL, Dart, Bash

Mobile & Frontend: React Native, React, Next.js, Flutter, Responsive Design, Mobile-First Development

Backend & APIs: Node.js, Next.js API Routes, REST APIs, Microservices, .NET, Flask, FastAPI

Cloud & DevOps: Docker, Kubernetes, AWS (Lambda, S3, API Gateway), Azure, Google Cloud Run, CI/CD Pipelines, GitHub Actions, Jenkins, Git, Linux, Infrastructure Golden Paths

AI & ML: AI Workflow Integration, PyTorch, Deep Learning, Model Training, Data Augmentation

Databases: PostgreSQL, MySQL, MongoDB, Firebase Firestore, Prisma ORM, Relational Database Design

EXPERIENCE

Full Stack Developer

Apr 2026 – Present

3 Amigos Group Inc

Montreal, QC

- Building a **multi-platform Central Kitchen system** (admin portal, B2B client storefront, and tablet picking app) using **Next.js, React Native, TypeScript, Prisma**, and **PostgreSQL**, planned for deployment across **8 restaurant branches**.
- Designing a normalized **relational database schema** and shared backend with **Next.js API routes**, supporting product catalogs, client-specific pricing rules, order fulfillment, and inventory sync.

Programming Analyst Intern

Jan 2026 – Mar 2026

OPAL-RT Technologies

Montreal, QC

- Built internal automation tools in **C#/.NET**, eliminating repetitive manual tasks and improving operational efficiency by **10%** across the engineering team.
- Architected a scalable **desk-booking system** using **Power Apps** and **Dataverse** with real-time conflict detection and validation logic, projected to reduce scheduling overhead by **15–20%** for **100+ employees**.
- Built **CRM automation workflows** with **Microsoft Power Automate, Power BI**, and **Power Platform**, streamlining reporting and integrations across **Microsoft 365** and **Azure**.

Flutter Developer

Aug 2025 – Mar 2026

3 Amigos Group Inc

Montreal, QC

- Architected and deployed a **cross-platform inspection & audit system** using **Flutter, Dart**, and **Firebase Firestore**, supporting **5 inspectors** across **8 restaurant branches** with real-time multi-location sync and weighted scoring workflows.
- Designed **versioned NoSQL data models** and automated **PDF reporting**, preserving historical audit integrity and reducing manual audit effort by **40%**.
- Implemented **role-based access control (RBAC)** for 4 user tiers with secure **Firebase Cloud Storage** rules, ensuring scalable multi-user access and data protection compliance.

Web Developer

Jul 2025 – Aug 2025

John Patsourakis Consulting

Montreal, QC

- Developed a responsive marketing website with **React, TypeScript, Node.js, Tailwind CSS**, and Framer Motion, building **15+ reusable UI components** for long-term maintainability.
- Deployed production-ready application with **SEO optimization** and Lighthouse performance tuning, resulting in a **3× increase in client inquiries** within the first month.

Frontend Web Developer

May 2025 – Jul 2025

Shapla Venue

Montreal, QC

- Designed and shipped a responsive business website using **React, TypeScript**, and **Tailwind CSS**, achieving **sub-2-second load times** and a **90+ Lighthouse score**.
- Deployed to a custom domain with **SEO best practices**, improving organic discoverability and search ranking for the venue's target market.

PROJECTS

Medical Image Segmentation — 1st Place, \$1,000 Prize

Mar 2025

Python, PyTorch, U-Net, NumPy, OpenCV

- Won **1st place out of 30+ teams (\$1,000 prize)** in a deep learning competition sponsored by **Huron Consulting Group**.
- Trained **U-Net segmentation models** on **17,000+ medical images** for automated tissue segmentation, achieving top-ranked Dice score on the held-out test set.
- Applied advanced **data augmentation, hyperparameter tuning, and ensemble techniques** in **PyTorch**, with an end-to-end pipeline reproducible from a single command.

BankUML Cloud Banking System

Nov 2025

Java, SQL, AWS Lambda, S3, API Gateway

- Led backend development in a team of 4, implementing UML-modeled banking workflows in **Java** with a normalized **SQL** schema for accounts, transactions, and audit logs.
- Designed serverless data pipelines using **AWS Lambda, S3, and API Gateway**, reducing manual processing overhead by **40%** and achieving **85%+ unit test coverage**.

Automated Product Data Extraction API (SAQ)

Dec 2025

Python, Flask, BeautifulSoup, Google Cloud Run, Docker | GitHub

- Built a Python web scraper using **BeautifulSoup** and **JSON-LD parsing** to extract structured product data from SAQ pages with **95%+ extraction accuracy**.
- Containerized and deployed a **REST API** with **Flask** on **Google Cloud Run**, integrating it into a Flutter inventory system to reduce manual data entry by **90%**.

ACHIEVEMENTS & CERTIFICATIONS

- **1st Place (\$1,000 Prize)** — Deep Learning Medical Image Segmentation competition sponsored by **Huron Consulting Group**, winning out of 30+ competing teams.
- **3rd Place** — ConUHacks Hackathon (Web Extensions Track), shipping a competitive product in under 24 hours alongside a 4-person team.
- Participant — **McHacks Hackathon**, collaborating on rapid prototyping and full-stack software development under tight deadlines.
- Completed **Harvard CS50: Introduction to Computer Science**, covering algorithms, data structures, memory management, and software engineering fundamentals.