

# Mahbub Shafin

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## EDUCATION

### York University

Bachelor of Science (Honours) in Computer Science

Toronto, Ontario

Expected Aug 2025

**Relevant Coursework:** Data Structures and Algorithms, Computer Hardware, Cyber Security, Object-Oriented Programming, Embedded Systems, Database Management, AI and Logic Programming

## EXPERIENCE

### Bey Bazaar — <https://beybazaar.com>

Remote

Founder | Full-Stack Developer

Feb 2025 – Present

- Developed a full-stack e-commerce web application using **Next.js**, **TypeScript**, **Supabase**, and **Tailwind CSS**, with full SSR and static optimization for enhanced performance.
- Implemented **SEO best practices** (structured metadata, semantic HTML, sitemap generation) to increase discoverability and organic traffic.
- Integrated authentication, product catalog, shopping cart, and order fulfillment systems with real-time database operations via **Supabase**.
- Optimized web performance with **image lazy loading**, **code splitting**, and **server-side rendering** to achieve fast load times
- Deployed and maintained the application with **Vercel**, utilizing CI/CD pipelines and environment variable management for seamless updates.
- Oversaw end-to-end business operations including **product selection**, **branding**, **video content creation** for social media, **order fulfillment**, **payment processing**, and **shipping logistics**; scaled brand visibility to **~100K views** across platforms and drove **\$200+ in early sales** within 1 month.

### Moore's Clothing for Men

Brampton, Ontario

Sales Consultant

Sep 2022 – Mar 2023

- Delivered exceptional customer service by assisting with merchandise selection, handling inquiries, managing returns, and promoting membership programs, resulting in increased customer satisfaction and store sales by **15%**.
- Utilized POS systems to optimize sales workflows, restocked inventory, ensured store cleanliness, and adhered to safety standards for machinery and product presentation.

## PROJECTS

### Map Flow — <https://mapflow.com>

Toronto, Ontario

Python | HTML | CSS | JavaScript | Flask

Jan 2025 – Feb 2025

- Designed and implemented an interactive web application showcasing real-time execution of pathfinding algorithms (Dijkstra, A\*, BFS, DFS) with dynamic graph visualization using Flask and Canvas API.
- Integrated live edge traversal highlighting and city-specific graphs, enabling users to explore algorithms step-by-step and enhancing understanding of computational processes.

### YeezyDB — <https://yeezydb.com>

Toronto, Ontario

Python | PostgreSQL | HTML | CSS | JavaScript | Flask

Apr 2024 – May 2024

- Built a clean, responsive web app using **Flask** and **vanilla HTML/CSS/JS** to display a catalog of Kanye West's Yeezy sneakers from a **PostgreSQL** database.
- Developed a **Python web scraper** to automatically extract sneaker data from public websites and populate the database with up-to-date product information.

### Additional Projects:

- E-commerce Platform:** Developed a scalable e-commerce web application using **React**, **Spring Boot**, **MongoDB**, and **Docker**, featuring REST APIs, user authentication, product filtering, a mock checkout system, and an admin dashboard with custom analytics, deployed via Docker for portability
- FPGA PROJECTS:** Model CPU using VHDL on the Altera board. Morse Code Flasher using the HCS12 board using C

## SKILLS

**Programming:** Java, Python, JavaScript, HTML/CSS, SQL, Next.js, React.js, C, Assembly, VHDL, Flask

**Tools:** Android Studio, IntelliJ, PyCharm, Eclipse, VS Code, Git, Spring Boot, Docker

**Platforms:** Windows and Linux