Mahbub Shafin

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EDUCATION

York University   **Toronto, Ontario**
Bachelor of Science (Honours) in Computer Science   *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** using image lazy loading, code splitting, and server-side rendering; deployed and maintained the application on **Vercel** with 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.

Moores 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 Languages: Java, Python, JavaScript, C, HTML/CSS, SQL, Assembly, VHDL
Frameworks & Libraries: React.js, Next.js, Flask, Spring Boot
Tools & Environments: Git, Docker, Android Studio, IntelliJ, PyCharm, Eclipse, VS Code
Operating Systems: Windows, Linux