Asma Hashar

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Education

York University **Sep. 2023 – May 2027**
Bachelor of Science in Computer Science *North York, Ontario*

Relevant Coursework

- Fundamentals of Data Structures
- Advanced OOP(Java)
- Discrete Mathematics
- Software Tools (C)
- Theory of Computation
- Computer Organization
- Logic for Computer Science
- Intro to Python

Experience

FI Solutions Inc. **July 2025 – Present**
Market Research Lead *Toronto, Ontario*

- Conducted stakeholder interviews and benchmarked mission-driven tech firms, uncovering the top B2B positioning trends that informed FI Solutions' messaging strategy.
- Created a content calendar with **20+** blog outlines and social media posts delivering ready-to-publish assets that equipped the marketing team for consistent, on-brand social engagement.

Private Tutor **2018 – Present**
Self-Employed *North York, Ontario*

- Gathered and documented learning requirements for 15+ students and parents, analyzed assessment data in Excel to identify knowledge gaps, and iteratively refined lesson plans driving an average 30% boost in grades.
- Produced and delivered 50+ progress reports and study guides using Word and PowerPoint, communicating learning objectives with students and parents, which ensured on-time completion of curriculum goals and measurable grade improvements.

Projects

Perfume Ellegance Inventory Tracker | *Java, Java Spring Boot, React.js, React Testing Library, H2 Database, HTML, CSS*

- Built a full-stack inventory management application for *Perfume Elegance* that enabled staff to add, edit, and delete products (name, SKU, quantity, restock threshold) using a **React** front-end and **Java Spring Boot API** backed by an **H2 in-memory database** reducing development setup time to zero.
- Optimized reorder timing by analyzing restock-event data and fine-tuning thresholds, which cut out-of-stock incidents by **85%** and boosted monthly sales by **20%** through improved product availability.

ThinkBox | *HTML, CSS, JavaSrcipt*

- Created a task management and note-taking app with an interactive UI, using **HTML/CSS** and **JavaScript** allowing users to add, delete, and track tasks with due dates.
- Integrated local storage to ensure tasks and notes persist across sessions, enhancing usability and convenience.

Weather App | *Python, PyQt5, OpenWeather API, CSS*

- Developed a desktop weather application using **PyQt5**, integrating the OpenWeather API to fetch real-time weather data.
- Created a responsive and intuitive interface with dynamic weather emojis, while conducting thorough testing and debugging to ensure accurate data representation and smooth API performance.

Personal Website | *React, Next.js, Tailwind CSS*

- Created a personal website using **React**, **Next JS** and **Tailwind CSS** to showcase my projects.
- Optimized for cross-device compatibility ensuring consistent performance.

Technical Skills

Languages: Python, Java, Java SpringBoot, C, HTML/CSS, JavaScript, React, Next.js, Tailwind CSS
Developer Tools: VS Code, Eclipse
Technologies/Frameworks: Linux, GitHub, JUnit, WordPress, Microsoft Office

Leadership / Extracurricular

ElleHacks **September 2023 – Present**
Logistics Executive *York University*

- Executed Canada's largest hackathon for women and gender-diverse students through designing **10+** technical challenges, judging rubrics, and participant materials for **400+** attendees, resulting in a seamless, on-time event.
- Enhanced event planning efficiency through active collaboration in weekly coordination meetings, resulting in a cohesive organizing process and successful hackathon delivery.