NIKITA OVRAMENKO

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EDUCATION

Toronto Metropolitan University   Toronto, ON
Bachelor of Engineering in Computer Engineering   *Expected May 2027*

- Relevant Courses: Computer Science, Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Digital Systems / FPGA Programming, Computer Architecture, Advanced Algorithms.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, C#, Typescript, JavaScript, SQL, VHDL, Assembly
Tools/Frameworks: Git, Flask, PostgreSQL, Spring Boot, React, Express.js, Node.js, JavaFX, Semantic Kernel, Docker, ASP.NET

EXPERIENCE

Automation Developer Intern — Pine Smart Solutions   Toronto, ON
Smart Home Automation / Networking   *Jan 2025 – Apr 2025*

- Prevented water damage by automating leak sensors and blinds in **Home Assistant** using **Python**.
- Resolved connectivity issues across 20+ devices by configuring switches with **Linux** tools (ip, ping, netstat).
- Expanded network capacity to 20+ devices by installing **Ubiquiti** infrastructure and CAT-5 wiring.
- Ensured reliable device communication by developing **pytest** scripts validating **MQTT** stability.
- Achieved reliable mesh operation for 40+ IoT devices by integrating **Z-Wave** and **Zigbee** networks.

PROJECTS

TCS Paints | React, TypeScript, Three.js, Node.js, PostgreSQL

- Integrated real-time **3D animation** into the frontend using **Three.js** to enhance user experience and page interactivity.
- Increased user engagement by implementing before/after sliders and an inquiry form with **Tailwind CSS** and **Vite**.
- Streamlined quote requests by developing an **Express** backend with **PostgreSQL**, **Sequelize**, and **Supabase** for media/email.

AI Chat Service | .NET, Semantic Kernel, Supabase, OpenAI

- Enabled instant cost estimates for users by building a **.NET** Web API that orchestrates AI chat via **Semantic Kernel**.
- Automated paint cost calculations by integrating native SK plugins for wall pricing and image recoloring.
- Accelerated frontend integration by documenting all endpoints via **Swagger** with **Supabase** and **OpenAI** backends.

YourLocalJunkRemoval | React, Vite, Tailwind CSS, GSAP

- Scaled to multiple cities without code duplication by building dynamic location routes (/hollywood, /miami) with **React** and **Vite**.
- Improved search rankings by implementing **React 19** metadata hoisting, canonical URLs, and automated sitemap generation.
- Delivered sub-second load times by optimizing with **Tailwind CSS** and scroll-based animations via **GSAP**.

Pharmacy E-Commerce Platform | Spring Boot, Java, React, PostgreSQL

- Enabled flexible product filtering by implementing a hierarchical catalog with **CRUD** for Drugs, Brands, and Categories via **Spring Data JPA**.
- Secured user accounts by implementing stateless **JWT** auth with **Spring Security** and a custom JwtFilter.