

Vishwas Puri

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EDUCATION

University of Toronto (St. George)

Expected Graduation, April 2027

Bachelor of Applied Sciences in Computer Engineering + PEY (Co-op)

Toronto, ON

- **Relevant Coursework:** Object-Oriented Programming, Data Structures and Algorithms, Complex Analysis
- Elected as **Second Year Representative** for 250+ Electrical and Computer Engineering students

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, TypeScript, HTML/CSS, SQL, NoSQL, MATLAB, Verilog

Frameworks: Web (Angular, React, Node.js), Testing (JUnit, Mockito, Jest), REST (Spring Boot, FastAPI, Flask)

Developer Tools: Git, Firebase, GCP, Maven, Gradle, Jira, Confluence, Figma (UI/UX), Postman

Libraries: Machine Learning (Pytorch, TensorFlow, Mediapipe, OpenCV), Data Mining (Pandas, NumPy, Matplotlib)

EXPERIENCE

Royal Bank of Canada

May 2024 – August 2024

Lead Software Engineering Intern

Toronto, ON

- Directed an Agile team of **5 developers** to design and streamline the financial plan verification process, collaborating with business stakeholders to build a custom **business rule engine**
- Owned the project, delivering a **scalable Spring Boot microservice** that automated daily batch validation for **hundreds of financial plans**, achieving **3 production releases** in 8 weeks
- Engineered a data pipeline using Oracle SQL and **integrated external APIs**, powering an Angular dashboard utilized daily by **200+ financial advisors** and managers

Royal Bank of Canada

July 2023 – August 2023

Software Engineering Intern

Toronto, ON

- Collaborated with RBC's digital team to resolve UI inconsistencies by developing **4 maintainable and reusable web component APIs** for Angular and React, ensuring standardized components across applications
- Performed testing protocols with Jest and Cypress, **achieving over 80% code coverage**, and ensured design alignment via Figma to deliver high-quality components
- Enhanced **usability** and **accessibility** for customers while improving **developer productivity by over 30%**, with components adopted daily by **1,000+ engineers**

Brampton Focus

May 2022 – August 2022

Lead Software Developer

Remote

- Led a team of **4 developers** to create a cross-platform web app for tracking and reporting litter collection
- Utilized React, Node.js, AWS Relational Database Service with PostgreSQL, and integrated **live location tracking** to enable real-time analytics for **400+ concurrent users**
- Launched the app in collaboration with non-profits and municipalities, enabling **real-time tracking** of thousands of pieces of litter, driving a **25% increase** in organized cleanup efforts to improve public cleanliness

PROJECTS

FridgeGuru | Python, Taipy, Numpy, Matplotlib

- Collaborated with 4 developers to build an AI-powered tool in 36 hours at Hack the North by applying YOLOv8's **object detection algorithm** for multi-class food detection on a **custom-labelled dataset**
- Integrated EleutherAI GPT-Neo, utilizing NLP and research-driven prompts to generate accurate recipes

Waste Security | Python, Dart, Flutter, OpenCV, TCP Sockets

- **Repurposed old devices** into a robust **security system** by leveraging their storage as local databases and developed an AI-powered **motion detection system** with OpenCV for accurate tracking and face identification
- Delivered a cross-platform solution in under **12 hours with 2 developers** using Python and Flutter

ACHIEVEMENTS

Java Full Stack with Spring Boot and Angular, Udemy Certification

August 2024

The Complete Oracle SQL Certification Course, Udemy Certification

August 2024

Professional Engineers Ontario Scholarship

October 2023

Walmart Canada Scholarship

July 2023