Shrey Bhatt

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Education

Seneca Polytechnic College — Expected May 2026
Computer Programming & Analysis — *Toronto, ON*
- **GPA 4.0 / 4.0**
- **3 Time President's Honour List Recipient** (Summer/Fall 2023 & Winter 2024)

Work Experience

Software Developer — May 2024
Info-Tech Research Group – Head Office — *Remote (Optional In-Person)*
- Participate in **Full Stack Development** of software applications, focusing on the back end with Ruby on Rails.
- Attend daily SCRUM meetings and participate in **Agile Development and CI/CD** while **coordinating releases with Senior Devs and QAs**.

STEM Instructor — August 2023 – May 2024
Exceed Robotics — *Thornhill, ON*
- Taught **Object-Oriented Python**, Arduino, robotics, game development, 3D modelling and printing, etc. to 50+ students on a weekly basis, communicating in both online and in-person classroom environments.
- Assisted students with utilizing Google APIs for **text-to-speech, speech-to-text, prompt engineering, object detection, image manipulation**, etc.

Leadership Experience

IBM Z Ambassador — October 2023 - Present
IBM Z Systems — *Remote*
- Gained valuable knowledge and wrote articles about mainframe technology, attended several global IBM Ambassador events and currently training to become a **Certified IBM Mainframe Application Programmer** via their Interskill Learning Platform.

Head of Operations — October 2023 - Present
Seneca Software Developer's Club — *Toronto, ON*
- Led the operation of 8 weekly study sessions, 3 exam reviews, 2 major club projects (Discord bot, AWS DynamoDB), started several minor club projects and **rebuilt the entire marketing and content teams**.

Head Delegate / *CUSEC 2025* — April 2024 - Present, *Remote*

Recent Projects

MealAid 🔗 — TensorFlow, Next.js, NoSQL, TypeScript, React, Python, Git
- Modelled, trained, and tested an **LSTM (Recurrent Neural Network)** using just **700k** rows of cleaned historical food price data from 17 third-world countries, with a loss of ~2%, challenging problems like overfitting. The Bidirectional RNN's predictions aid in developing nutritious meals, which get stored on MongoDB.

LeaseProtect 🔗 — Solidity, Truffle, Ganache, Git, Next.js, Typescript
- Led the development of an **Ethereum-based Smart Contract** solution written in Solidity, developed in Truffle, and tested in Ganache. The SHA-256-based immutable & decentralized integrity verification system aims to provide a solution against the **160% increase** in Ontario's rental scams last year.

VoiceRE 🔗 — Google API, Next.js, OpenAI, Flask, NoSQL, Cloudinary
- Developed a **double back end using Next.js and Flask** in under 24 hours (hackathon). The application stores user-recorded audio using Cloudinary, links it to the user via MongoDB, and utilizes Google API and OpenAI, converting it into **prompt-engineered** questions for enhanced learning (Learning Reimagined).

Technical Skills

Languages: C, C++, Python, MySQL, JavaScript, TypeScript, HTML, CSS, Bash, COBOL, Solidity, Ruby

Frameworks / Libraries: Node.js, NumPy, Pandas, Matplotlib, TensorFlow, MongoDB, OpenCV, React, Rails

Platforms / Tools: MS Office, Git, Linux, Jira, Zowe Editor, Unity, Visual Paradigm, VMware, Fusion 360, Next.js