

SELVI PATEL

Barrie, ON | +1 (437) 955-2394 | selvi311012@gmail.com
selvipatel.com | linkedin.com/in/selvi3112 | github.com/selvipatel311201

PROFESSIONAL SUMMARY

Data and AI professional who builds both the analysis and the tools that deliver it — from retrieval-augmented search and Power BI dashboards to production web applications. Post-graduate certificates in Artificial Intelligence and Big Data Analytics, both with Dean's List standing.

TECHNICAL SKILLS

AI & ML: LLMs, RAG, Vector Databases (FAISS), NLP, PyTorch, Scikit-Learn, Neural Networks, Transfer Learning

Data & BI: Power BI (DAX, Power Query), MicroStrategy, SQL, ETL, Data Modeling

Engineering: Python, JavaScript, TypeScript, React, Streamlit, AWS Lambda, Docker, Git, GitHub Actions

PROFESSIONAL EXPERIENCE

FamilyTLC

May 2025 – Aug 2025

AI Engineer Intern

Ontario, Canada

- Built an AI-powered document search chatbot in Python, Streamlit, and FAISS, replacing manual keyword searches across the organization's Google Drive.
- Integrated Google Drive API with OAuth 2.0 so results respect existing file permissions, improving retrieval accuracy through semantic NLP search.
- Deployed to Streamlit Cloud and built Power BI dashboards measuring retrieval performance against success metrics defined with stakeholders.

Way to Web Pvt. Ltd.

Jan 2023 – Apr 2023

Web Developer Intern

Ahmedabad, India

- Developed the front end of an e-commerce platform in HTML, CSS, and JavaScript, delivering a responsive storefront aligned to stakeholder requirements.
- Analyzed storefront usage with SQL and ETL pipelines, informing layout and navigation changes that streamlined the customer purchase path.

PROJECTS

FitPlan — Personal Fitness Planner

2025

React 19, TypeScript, Vite, GitHub Actions

fit.selvipatel.com

- Shipped a React 19 and TypeScript planner converting body stats into calorie targets, macro splits, meal plans, and dated training checkpoints.
- Architected the app fully client-side with no backend and two runtime dependencies, shipping a 91 KB gzipped bundle at zero hosting cost.
- Containerized with Docker and automated GitHub Actions releases, reducing deployment to a single push that ships in under a minute.

Transfer Learning with EfficientNet-B0

2025

PyTorch, EfficientNet, CIFAR-10

- Fine-tuned an ImageNet-pretrained EfficientNet-B0 on CIFAR-10 in PyTorch, raising test accuracy from 9.9% to **86.5%** across 22 epochs (team project).

Breath of the City: NYC Air Quality Analysis

2024

Python, SQL, Power BI, MicroStrategy

- Analyzed EPA air quality data with Python and SQL time-series models, surfacing pollutant forecasts through Power BI dashboards for policy stakeholders.

Personal Fitness Coach Alexa Skill

2025

AWS Lambda, Alexa Skills Kit, Python

- Launched an Alexa skill on AWS Lambda delivering personalized workouts, refining dialog flows through prototype testing to raise voice-UI accuracy.

EDUCATION

Georgian College

Barrie, ON

Post Graduate Certificate, Artificial Intelligence — GPA 86.61, Dean's List

Aug 2025

Post Graduate Certificate, Big Data Analytics — GPA 82.91, Dean's List

Dec 2024

Ahmedabad Institute of Technology

Ahmedabad, India

Bachelor of Computer Engineering — GPA 8.06

May 2023