

Swayam Patel

+1-514-726-3630 | swayamp2005@gmail.com | [linkedin.com/in/swayampatel](https://www.linkedin.com/in/swayampatel) | github.com/swayam-patel

TECHNICAL SKILLS

Programming Languages: Swift, Java, Python, SQL, HTML, CSS, Javascript, C++
Frameworks: React Native, Node.js
Developer Tools: Git, Colab, VS Code, Jupyter Notebook, Github
Languages: English, French (Niveau A2)

EDUCATION

Concordia University Sep. 2023 – Present
Bachelor in Computer Science (GPA: 4.0/4.3) Montreal, QC

EXPERIENCE

iOS Developer May 2020 – Aug 2023
Swayam Infotech Gujarat, India

- Worked part-time during the last three years of high school, balancing academics with hands-on experience
- Developed different applications in Swift from initial concept to the deployment and maintenance
- Integrated a variety of third-party libraries using Cocoa Pods and default SDKs
- Implemented Payment Gateways like Stripe and Authentication Modules such as Google, Facebook, and Apple Sign In
- Created TestFlight and IPAs and deployed applications on App Store

PROJECTS

Banking System Web Application | *Spring Boot, Java, MySQL, HTML, CSS, JavaScript* Sep 2025 – Dec 2025

- Developed a role-based banking web application with RESTful APIs for authentication, account management, and transactions
- Integrated MySQL using JPA and implemented structured API responses for frontend communication

Deep Learning for Dermatological Diagnosis | *PyTorch, ResNet-50, VGG-16, MobileNetV2, Grad-CAM, CUDA* Jan 2026 - Apr 2026

- Built the HAM10000 data pipeline, cleaning and splitting ~7,500 images into stratified train, validation, and test sets
- Developed an evaluation framework to benchmark 11 models using accuracy, F1-score, ROC-AUC, and confusion matrices
- Implemented Grad-CAM visualizations and automated hyperparameter tuning for model interpretability and optimization

iOS UI Components (Open Source) Ongoing

- Built reusable iOS UI components and published them on GitHub for learning and reuse
- Focused on modular design, code readability, and maintainability

SpeechCoach | *Python, HTML, CSS, JavaScript* Ongoing

- Built a prototype web platform allowing French learners to practice speaking using custom or predefined text inputs
- Integrated speech input with a Python backend to perform basic speech analysis and generate preliminary accuracy metrics

CERTIFICATION AND COURSES

Artificial Intelligence A-Z 2025: Agentic AI, Gen AI, and RL: Udemy (Completed: 2025)
Machine Learning A-Z: AI, Python & R + ChatGPT Prize [2025]: Udemy (Completed: 2025)