

ANGEL SHINH

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Education

Computer Programming and Analysis (4.0 GPA) — Seneca Polytechnic, North York

Jan 2024 - Present

Experience

Technical Systems Analyst — *Royal Bank of Canada (RBC)*

September 2025 – Present

- Automated data workflows and analytics processes using Python, improving data quality and operational efficiency.
- Built dashboards in Tableau to visualize IAM data insights, aiding strategic decision-making in cybersecurity.
- Wrote SQL queries and optimized data pipelines to maintain secure, performant access to identity datasets.
- Collaborated in an Agile environment to deliver end-to-end data solutions aligned with RBC's digital transformation goals.

Machine Learning Engineer & Data Science Intern — *Meta Trading Club*

Jan 2025 – Apr 2025

- Developed predictive models to analyze market patterns, leading to a 10% increase in simulated returns.
- Built data pipelines using Python and JavaScript to automate extraction and transformation of financial datasets.
- Integrated NLP-powered prompt engineering for news-based sentiment analysis, improving short-term prediction reliability by 15%.

Computer Science Instructor — *LogicFusion*

Jul 2025 – Present

- Taught robotics, game development in Roblox Studio, and programming fundamentals in Python and C++.

Lab Assistant, IPC144 (Introduction to Programming Using C) — *Seneca Polytechnic*

Sep 2024 - present

- Supported 60+ students per semester through hands-on help with assignments and lab activities.
- Raised class average by 30% through one-on-one guidance and peer-learning strategies.

Coding Tutor — *Beaver Creek Kids Club*

Sep 2024 - June 2025

- Mentored 20+ students weekly in C++ and Python fundamentals, achieving a 95% lab pass rate.

Projects

Facial Expression Recognition App • [GitHub Backend](#) • [GitHub Frontend](#)

- Achieved 75.3% accuracy on a 10K+ image dataset using TensorFlow and OpenCV with real-time emotion recognition at 30 FPS.
- Implemented inference under 200 ms and designed for scalability using modular components.

Movie Recommendation System • [GitHub](#)

- Developed hybrid recommendation engine combining collaborative and content-based filtering.
- Leveraged Scikit-learn, Pandas, and cosine similarity to personalize user recommendations.

Diabetes Prediction System • [GitHub](#)

- Implemented SVM classifier on 768-patient dataset achieving 78.7% training and 77.3% test accuracy.

Skills

Programming: Python, JavaScript, C, C++, Bash

Machine Learning & Data Science: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch

Web Development: React, Node.js, Express.js, APIs

Databases: MySQL, MongoDB, PostgreSQL

Tools & Platforms: Git/GitHub, Jira, Visual Studio Community, VS Code

Leadership & Activities

Developer and UI/UX Designer — *CUSEC*

May 2025 - Present

- Created intuitive interfaces and seamless user journeys for CUSEC's digital platforms.