

Gurleen Singh

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EDUCATION

Durham College *Oshawa, ON*

Expected: April 2027

Honours bachelor's degree, Major: Artificial Intelligence

Current GPA: 4.88/5.0

- **Relevant Coursework:** All the Machine learning foundational courses using python, all Mathematics courses for AI, production workflow related courses, Neural networks, NLPs, Human Computer interaction course.
- Regarded in the College Honour Roll in every semester.

PROJECTS

Time Series Forecasting (<https://github.com/gurisapuriya/time-series-forecasting/tree/main>)

- An end-to-end time series forecasting model application build with FastAPI, deployed on GCP with Docker. Front-end designed using Streamlit & integration with OpenAI Schema that enables real-time forecasting serving multiple users with an interface.

Deepfake Video Detection (<https://github.com/gurisapuriya/Deepfake-video-detection>)

- Developed a hybrid CNN-LSTM model with InceptionV3 transfer learning for classification task. Preprocessing the video frames, feature extraction, video prediction functions are implemented as an end-to-end pipeline for structured real datasets with evaluation metrics.

Durham College Navigation UI design ([Figma prototype link](#))

- Designed an interactive, clickable & responsive high-fidelity prototype for my college's navigation app UI using Figma focusing on accessibility & intuitive solutions after conduction user research for better UX.

WORK EXPERIENCE

Value Village

Feb. 2024 – Present

Community Donation Centre Ambassador (Part-time)

Oshawa, ON

- Accepting donations on behalf of Diabetes Canada and working in fast-paced environment dealing with customer service.
- Ready to apply my soft skills in addition to my technical skills in the industry to help deliver effective client ready solutions.**

VOLUNTEERING

Durham College

Summer 2024 – Present

- Volunteering in ExploreAI Workshop Program at Durham College & at activities during program orientations.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Certification in DSA using C++ from Coding blocks, India.
- **Technologies:** Python, C++, SQL, Scikit-learn, Pandas, NumPy, Matplotlib, Plotly, Seaborn, FastAPI, Docker, Docker Compose, GCP, Power BI, Streamlit, Tableau, Figma, TensorFlow & Keras, (currently learning Pytorch), Git & GitHub, Prompt Engineering, Deep Learning, CI/CD pipelines.
- **Skills:**
 - Proficient in programming in Python with idea of the production workflows during project building.
 - Understanding of underlying mathematics for AI/ML and fundamental ML algorithms.
 - Good at problem solving with critical thinking & familiar with various types of testing.
 - Always ready to collaborate with the team as a dedicated learner with ability to adapt and grow.
- **Interests:** Travelling, Arts (realistic portraits, painting), Reading books etc.