SUNEHILDEEP SINGH

**Toronto, ON**

[**nsunehil@gmail.com**](mailto:nsunehil@gmail.com) **• (548) 333-4023**

[**GitHub Portfolio**](https://sunehildeep.github.io/)

A creative and analytical student of Software Engineering Technology, specializing in Artificial Intelligence. Skilled in object-oriented programming and database management with proven technical problem-solving skills.

# HIGHLIGHT OF SKILLS

* Programming/Coding: PHP, Python, Java, C#, Pawn, HTML, JavaScript (React, Angular)
* Databases: Oracle SQL Developer, MySQL, PLSQL, NoSQL
* Business Technologies: MS Office Suite, MS Visio, MS Studio, GIT/GitHub, Trello
* Operating Systems: Linux/Unix, Windows 7/8/9/10/11
* Knowledgeable of Agile/SCRUM methodology and software development life cycle (SDLC)
* Quality Assurance: Skilled with QA and quality control within the software product life cycle
* Networks: Network protocols and components, including network stacks, socket-based network applications, and software-defined networks
* Supervised Learning: Knowledge of supervised learning techniques and algorithms
* Foundational understanding of algorithms, AI ethics, natural language processing and ML concepts
* Adaptable and flexible to working styles, with a team-oriented and collaborative personal nature

# EDUCATION

**Software Engineering Technology - Artificial Intelligence Advanced Diploma** Sept. 2021 - Present

Centennial College, Toronto, ON

*Overview:* Web Interface Design, Software Systems Design, Web App Development, Java Programming, Client-Side

Development, Intro to AI, Database Concepts, Software Requirements Engineering, Networking for

Developers, Supervised Learning, Data Structures & Algorithms, Software Testing & Quality Assurance

# RELEVANT WORK EXPERIENCE

**Full Stack Developer (Part-time)** Sun Glow Ltd., Toronto, ON April 2023 - Onward

**Full Stack Developer (Co-op)** Sun Glow Ltd., Toronto, ON Jan 2023 - April 2023

* Work on two websites, one operating on React ([Off Cut Shades](https://offcutshades.com/)) and the other on PHP ([Sun Glow](https://mysunglow.com/))
* Manage the MySQL database for both websites and oversee web hosting, making necessary changes
* Optimize Google Analytics and create tracking for every action on the websites
* Collaborate with Senior Developer for both backend and frontend web design/management
* Support the marketing team with SEO and tags
* Ensure technical information for the blinds is calculated accurately
* Apply a machine learning model that predicts future average engagement time for Google Analytics
* Apply a machine learning model that predicts colour of the product by entering a partial SKU number
* Offered an ongoing position after co-op work term completion, due to outstanding work performance

# PROJECTS

**Web Design – JavaScript, HTML, Python**

* Created a feedback form for course evaluation
* Developed a marketing website for a real estate agent, adding functionalities such as a properties photo gallery, agent info, contact form, and sitemap
* Designed a custom portfolio website to showcase projects and abilities
* Working on a Journal website, *Journalsy*, which allows users to login/register, manage profile, view calendar, edit journal entries, track their days & mood, reminders, and to-do.

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**Windows Application – C#**

* Created a custom software for an unofficial Acer community that allows one to modify laptop fan curves and improve cooling; set threshold temps for fans to switch to Turbo mode automatically when it overheats

**Software Requirements Specification Document**

* Collaborated to develop a SRS for TravelMate, a mobile app that helps tourists make the best out of their experience in a destination using the advice of fellow tourists and local guides

**Database – MySQL, Oracle SQL Developer**

* Created a database which connects with *Journalsy* to store information allowing quick access and saving of data for the website

**Spam Detector A.I Model – Python**

* Created an AI model which can detect if a comment is a spam or ham

**Eye Detector OpenCV Model – Python**

* Developed a OpenCV model that can track eyes as user moves on camera

**Auto Regressive Model – Python**

* Created a model that predicts the future by looking at the previous stats of the graph
* Currently built for Google Analytics Average User Engagement Time

**Text Generator RNN Model – Python**

* Develop a model that predicts what the next word in the output will be
* Currently trained to generate song lyrics by giving it any starting string
* Can be trained on selected data, such as stories, songs, dialogs, movie, show transcripts etc.

# ADDITIONAL WORK EXPERIENCE

**Security Guard (P/T)** Shield Security, Toronto, ON Sept 2022 - Dec 2022

* Operate gate controls and monitor incoming/outgoing visitors
* Log information of incoming vehicles and issue permits if necessary
* Handle packages and deliveries for building residents
* Execute safety protocols and liaise with authorities when required, including emergency services

**Sales Associate** The Mobile Shop at Loblaws, Waterloo, ON April 2022 - Aug 2022

* Welcome customers, providing friendly and proactive customer service, information about products/services and assisting with resolving questions and issues
* Process customer transactions with accuracy and efficiency
* Perform inventory logging and management, and practice loss prevention strategies