SUNEHILDEEP SINGH

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[GitHub Portfolio](#)

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](#)) and the other on PHP ([Sun Glow](#))
- 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.

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