

# Sunehildeep Singh

Toronto, ON | 548-333-4023 | [nsunehil@gmail.com](mailto:nsunehil@gmail.com) | [linkedin.com/in/sunehildeepsingh](https://www.linkedin.com/in/sunehildeepsingh) | [sunehildeepsingh.com](https://sunehildeepsingh.com)

---

## MACHINE LEARNING ENGINEER | SOFTWARE ENGINEER | PROBLEM-SOLVER

### KEY SKILLS

---

- Machine Learning: TensorFlow, Keras, PyTorch, scikit-learn
- Full Stack Development: Next.js, React, Angular, Node.js, Express.js
- Programming Languages: Python, Java, C#, Go, JavaScript, Kotlin, PHP, Pawn
- Cloud Platforms: Microsoft Azure, Amazon AWS
- Skilled in front-end technologies like React, Angular, and Next.js
- Tools: Spark, Selenium, Git, Agile/SCRUM methodologies

### RELEVANT EXPERIENCE

---

#### Software Engineer

Jan 2023 – Present

Sun Glow Window Coverings Ltd., Toronto, Canada

- Led the development of 4 dynamic websites utilizing Next.js, React, and PHP, ensuring seamless integration and optimal performance.
- Engineered a machine learning model based on order history, reducing processing time by 20%, showcasing problem-solving and innovation, and enhancing operational efficiency.
- Spearheaded the end-to-end development of 2 Next.js websites from scratch to deployment, incorporating best practices in coding and user experience design.
- Revamped 2 existing websites based on React, and PHP, enhancing functionality and user experience, resulting in a 30% increase in engagement.
- Orchestrated a 40% improvement in Sun Glow website SEO post Next.js migration, amplifying organic search traffic, and bolstering online presence.
- Boosted conversion rate by 20% and website engagement by 10% through Google Analytics research.

### EDUCATION

---

#### Software Engineering Technology – Artificial Intelligence

Dec 2024

Centennial College, Toronto, ON

4.29/4.5 (A)

- *Courses:* Supervised Learning | Unsupervised Learning | Deep Learning | Neural Networks | Natural Language Processing (NLP) | Data Structures & Algorithms | Cloud Machine Learning | Big Data Tools | Software Systems Design | Mobile App Development | Java Programming | Software Testing & Quality Assurance

### PROJECTS

---

#### Machine Learning:

[github.com/stars/Sunehildeep/lists/machine-learning](https://github.com/Sunehildeep/lists/machine-learning)

- **Chatbot Encoder-Decoder Transformer:** Implemented a transformer model from scratch using TensorFlow, showcasing expertise in NLP, and data pre-processing.
- **Text Generator RNN:** Developed a bespoke RNN-based model using TensorFlow for content generation.
- **Image Classification CNN Model:** Designed and trained a TensorFlow model for workout recognition, leveraging convolutional layers for precise computer vision tasks.
- **GPT Portfolio:** Created a personalized portfolio using AI to dynamically generate all content about me, including biography, work, skills, and answering questions related to me in real-time on user visits.

#### Web Development:

[github.com/stars/Sunehildeep/lists/web-development](https://github.com/Sunehildeep/lists/web-development)

- **TeleCord:** Developed a messenger app for effective communication with integration of AI and AWS cloud, built with Next.js, Web Sockets, Chalice, and DynamoDB.
- **Chatbox:** Crafted a robust real-time chat application with React, Web Sockets, and MySQL integration.

#### Software Tools & Applications (Community Contributions):

[github.com/stars/Sunehildeep/lists/c-applications](https://github.com/Sunehildeep/lists/c-applications)

# Sunehildeep Singh

Toronto, ON | 548-333-4023 | [nsunehil@gmail.com](mailto:nsunehil@gmail.com) | [linkedin.com/in/sunehildeepsingh](https://www.linkedin.com/in/sunehildeepsingh) | [sunehildeepsingh.com](https://sunehildeepsingh.com)

---

- **Custom Fans Helios:** Engineered a bespoke C# tool for refined user-defined fan curve control in Acer Helios laptops.
- **Auto Max Fans Helios:** Devised a C# application for automated toggling of maximum fan speed based on system temperature, gaining recognition in the Acer unofficial community.

## ADDITIONAL INFORMATION

---

- Personal coding experience since 2014 as a teenager.
- Recognized for consistent excellence and contributions in current role.