Sunehildeep Singh

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Skills

- **Programming Languages:** Python, Java, C#, JavaScript, TypeScript, Kotlin, PHP, Pawn
- **Machine Learning (ML) Frameworks:** TensorFlow, Keras, PyTorch, scikit-learn
- **Front-End Technologies:** React, Angular, Next.js
- **Back-End Technologies:** Chalice, Flask, Node.js, Express.js
- **Cloud Development:** Microsoft Azure, Amazon AWS
- **Databases:** MySQL, Oracle SQL Developer, PLSQL, NoSQL
- **Tools:** Spark, Selenium, Git, Agile/SCRUM, SDLC

Education

Centennial College – Toronto, ON   Expected December 2024
GPA: 4.29/4.5 (A)
Relevant Coursework: Supervised Learning, Unsupervised Learning, Deep Learning, Neural Networks, Data Structures & Algorithms, Cloud Machine Learning, Big Data Tools, Software Systems Design, Web & Mobile App Development, Java Programming, Software Testing & Quality Assurance, IT Project Management, Business & Entrepreneurship

Work Experience

Full Stack Developer, Sun Glow – Toronto, ON (Co-Op & Part-Time)   January 2023 – Present
- Spearheaded development and overhaul of 3 websites using Next.js, React, and PHP, enhancing user experience and engagement, resulting in improved website functionality and performance
- Engineered machine learning model based on order history, reducing processing time by 20%, showcasing problem-solving and innovation, and enhancing operational efficiency
- Orchestrated 40% improvement in Sun Glow website SEO post Next.js migration, amplifying organic search traffic, and bolstering online presence
- Conducted Google Analytics research, boosting conversion rate by 20% and website engagement by 10%, demonstrating a data-driven decision-making approach that led to achieving key business objectives
- Recognized for distinguished performance in initial 2 months of co-op with an offer for a continuing part-time role, showcasing consistent excellence and contribution to organizational success

Projects

Machine Learning Projects   github.com/stars/Sunehildeep/lists/machine-learning
- **Chatbot Encoder-Decoder Transformer -** Implemented a transformer model from scratch using TensorFlow, based on Google's Research paper, demonstrating expertise in NLP, scraping datasets, and advanced 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
- **Eye Tracker** - Utilized OpenCV for real-time object tracking in computer vision applications, demonstrating adeptness in computer vision and motion detection
- **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 visit

Web Development Projects   github.com/stars/Sunehildeep/lists/web-development
- **Chatbox -** Crafted a robust real-time chat application with React, Web Sockets, and MySQL integration

Software Tools & Applications   github.com/stars/Sunehildeep/lists/c-applications
- **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