Sunehildeep Singh

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Toronto, ON | (548) 333-4023

An Artificial Intelligence undergraduate student adept in Neural Networks, Deep Learning, and Full Stack Development. Self-taught in seven programming languages, demonstrating the ability to swiftly learn new concepts, apply knowledge and skills to real-world problems, contributing to impactful innovations in the field.

Skills

- **Programming Languages:** Python, Java, C#, Go (Golang), PHP, JavaScript, TypeScript, Kotlin, 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

Software Engineering Technology - Artificial Intelligence – Toronto, ON   Expected December 2024
GPA: 4.29/4.5 (A)
Relevant Coursework: 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, IT Project Management

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 co-op with an offer for a continuing part-time role, showcasing consistent excellence and contribution to organizational success

Game Scripter – Freelance   2017 - 2018
- Developed Pawn scripts for SA:MP servers, including anti-cheats and game mode scripts, enhancing security and functionality
- Created PHP based user control panels, integrating in-game player information and management on websites, improving user experience and administrative efficiency
- Provided programming support to users on forums, showcasing root cause analysis and community engagement
- Collaborated with clients to understand requirements and deliver tailored scripting solutions, demonstrating flexibility

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

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- **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