

Sunehildeep Singh

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Summary

Self-driven undergraduate Software Engineering student, coding since age 14, specializing in Artificial Intelligence (AI) with 1+ year of industry experience. Strong foundation in machine learning, software engineering, and web development, with a drive to apply skills to tangible projects and drive meaningful advancements.

Skills

Programming Languages: Python, Java, C#, JavaScript, TypeScript, Kotlin, PHP, Pawn

Machine Learning Libraries: TensorFlow, Keras, PyTorch, Scikit-learn

Android Development: React Native, Java, Kotlin

Front-End Frameworks: ReactJS, Angular, NextJS

Back-End Frameworks: Chalice, Flask, NodeJS, ExpressJS

Databases: MySQL, Oracle SQL Developer, PLSQL, NoSQL

Cloud Platforms: Microsoft Azure, Amazon AWS

Tools: Spark, Selenium, MS Office, MS Visio, MS Studio, GIT/GitHub, Trello, Agile/SCRUM, SDLC, QA, Linux/Unix

Education

Centennial College September 2021- December 2024 (Expected)
Toronto, ON 4.27/4.5 (A) GPA

Overview: Supervised Learning, Unsupervised Learning, Deep Learning, Neural Networks, Data Structures & Algorithms, Big Data Tools, Software Systems Design, Web & Mobile App Development, Java Programming, Software Testing & Quality Assurance, IT Project Management, Business & Entrepreneurship

Experience

Full Stack Developer, Sun Glow – Toronto, ON January 2023 – Present

- Developed and Revamped 3 websites using NextJS ([Sun Glow](#)), ReactJS ([Off Cut Shades](#)), PHP ([Sun Glow](#))
- Reduced order processing time by 20% and improved operational efficiency with a machine learning model based on customer order history.
- Enhanced Sun Glow website SEO and performance by 40% through NextJS migration.
- Increased conversion rate by 20% and website engagement by 10% through Google Analytics research.
- Optimized MySQL databases and supported SEO strategies, leading to a 15% increase in organic search traffic.
- Earned an offer for an ongoing part-time position due to outstanding work performance

Projects

Machine Learning Projects github.com/Sunehildeep/lists/machine-learning

- **Chatbot Encoder-Decoder Transformer** - Implemented an NLP transformer model from scratch using TensorFlow, based on Google's "Attention is all you need" paper, demonstrating expertise in NLP and data pre-processing.
- **Text Generator RNN** - Formulated a scratch RNN-based model using TensorFlow for content generation, inspired by GPT models' functionality.
- **Image Classification CNN Model** - Created a TensorFlow model for workout recognition, leveraging convolutional layers for computer vision classification tasks.
- **Eye Tracker** - Utilized OpenCV for real time object tracking in computer vision tasks for recognizing movement.

Web Development Projects github.com/Sunehildeep/lists/web-development

- **Chatbox** - Designed and implemented a real-time chat application with React, web sockets, and MySQL integration.

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

- **Custom Fans Helios** - Devised a C# tool for enhanced user-defined fan curve control in Acer Helios 300 laptops.
- **Auto Max Fans Helios** - Engineered a C# application for toggling max fan speed based on system temperature, published on Acer unofficial community.