

Sunehildeep Singh

📍 Toronto, ON — 📞 548-333-4023 — ✉️ sunehildeep@gmail.com — 🔗 linkedin.com/in/sunehildeep Singh — 🌐 github.com/Sunehildeep — 🌐 sunehildeep Singh.com

Summary — Proven software engineer with 3+ years of professional expertise, seeking challenging roles in AI/machine learning and software engineering. Adept at designing and implementing high-performance web and software applications, machine learning models, and innovative solutions.

Skills & Technologies

Languages: Python, Typescript, JavaScript, Java, C#, PHP, Kotlin, Go, SQL, PL/SQL	DevOps: Docker, Kubernetes, AWS, Azure, GCP, CI/CD, RabbitMQ, Prometheus, Grafana
Frameworks: TensorFlow, PyTorch, scikit-learn, React, Next.js, Node.js, .NET, Flask, Chalice, FastAPI	Data: Pandas, NumPy, Matplotlib, Spark, Hadoop, Kafka, Airflow
Databases: MySQL, PostgreSQL, MongoDB, Redis	Tools: Git, Selenium, Jira, Trello, Linux
GenAI: RAG, LLM, Prompt Engineering, LangChain	

Experience

Software Engineer (Full-Time) Jan. 2023 – Present
Sun Glow Window Coverings Ltd. Toronto, ON

- Built a Naive Bayes model for HomeDepot orders, cutting processing time by 20%, saving 50 work hours monthly
- Spearheaded development of 3 Next.js/React sites, boosting performance by 40% and driving record breaking revenue
- Developed and launched Dealer Portal using Next.js, enhancing user engagement by 30%
- Designed and implemented Builder Portal for condo construction contracts, resulting in a 10% revenue increase
- Redesigned the Off Cut Shades website, integrating SEO strategies that led to a 40% rise in organic search traffic
- Optimized CI/CD pipeline, cutting deployment time by 50% and enhancing code quality
- Led a 2-member team on Web & Python development, serving as liaison with management to boost productivity by 25%

Software Developer (Contract) Apr. 2020 – May 2021
Dreamz Academy Remote

- Developed a comprehensive IELTS training application using C# for an immigration consulting firm during the pandemic
- Engineered multiple interactive page views for Listening, Reading, and Writing, with automated evaluation
- Enhanced operational efficiency by significantly reducing manual work, facilitating remote learning for students

Education

Bachelors of Software Engineering Technology - Artificial Intelligence (4.3/4.5 GPA) 2021 – 2024
Centennial College Toronto, ON

- Relevant Coursework: Supervised & Unsupervised Learning, Deep Learning, Neural Networks, NLP, Data Structures & Algorithms, Cloud Machine Learning, Big Data Tools

Projects

Encoder-Decoder Transformer LLM (TensorFlow) 2023

- Built a transformer LLM from scratch achieving 85% accuracy on Reddit chat data
- Optimized inference time by 30% using curriculum learning, maintaining model performance
- Based on Google's Research Paper "Attention Is All You Need"

RNN Text Generator Model (TensorFlow) 2023

- Engineered an LSTM-based RNN to generate coherent and grammatically accurate text
- Demonstrated capabilities similar to GPT models in natural language generation

GPT Portfolio (Next.js) 2023

- Designed a portfolio leveraging LLM to generate real-time, personalized content
- Implemented prompt engineering with Gemini to enhance user experience

Custom Fan Helios (C#) 2022

- Developed a widely adopted software to control fan speeds on Acer Helios laptops
- Maintained a user base of over 500 with regular updates and support

Key Achievements

- **Google Foobar Invitation:** Received an invitation to Google's secretive Foobar hiring process in 2018, highlighting exceptional problem-solving skills and coding expertise
- **Arctic Code Vault Contributor:** Earned the prestigious Arctic Code Vault Contributor Badge in 2020, recognizing contributions to open source projects
- **Community Contributions:** Active early involvement in the SA:MP community, developing scripts and tools that became widely used and respected