

# SUNEHILDEEP SINGH

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## SUMMARY

Proven software engineer with 2.5+ years of professional expertise and 6+ years of coding experience, 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.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, Java, C#, SQL, PHP, Kotlin, Go  
**Frameworks & Libraries:** TensorFlow, PyTorch, scikit-learn, React, Next.js, Node.js, Flask, Chalice, FastAPI  
**Cloud & DevOps:** AWS, Azure, GCP, Docker, CI/CD  
**Data Analysis Tools:** Pandas, NumPy, Matplotlib, Spark, Hadoop  
**Productivity Tools:** Git, Selenium, Jira, Trello

## EXPERIENCE

- Software Engineer** 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** 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** Sept. 2021 – Dec. 2024  
*Centennial College* Toronto, ON
  - Relevant Coursework (GPA: 4.3/4.5): Supervised & Unsupervised Learning, Deep Learning, Neural Networks, NLP, Data Structures & Algorithms, Cloud Machine Learning, Big Data Tools

## PROJECTS

- Encoder-Decoder Transformer LLM** | TensorFlow GitHub
  - 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 GitHub
  - 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 GitHub
  - Designed a portfolio leveraging LLM to generate real-time, personalized content.
  - Implemented prompt engineering with Gemini to enhance user experience.
- Custom Fan Helios** | C# GitHub
  - 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

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### **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 that have been archived for long-term preservation.

### **Community Contributions:**

- Active early involvement in the SA:MP community, developing scripts and tools that became widely used and respected, showcasing leadership and technical abilities from a young age.