Sunehildeep Singh

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SUMMARY

Software engineer with 2+ years of professional experience and 6+ years of coding expertise. Specialized in developing impactful web and desktop applications, as well as machine learning models, to drive business growth.

EXPERIENCE

Software Engineer — Jan. 2023 – Present
Sun Glow Window Coverings Ltd. — *Toronto, ON*

- Led development of 3 Next.js/React websites, boosting system performance by 40% and contributing to a record-breaking year.
- Created a Multinomial Naive Bayes ML model for HomeDepot orders, reducing processing time by 20% and saving an estimated 50 work hours monthly.
- Developed a Dealer Portal using Next.js, increasing user engagement by 30%.
- Designed a Builder Portal for condominium construction contracts, driving a 10% increase in revenue.
- Redesigned the Off Cut Shades website in React, implementing SEO strategies that led to a 40% increase in organic search traffic.
- Led a 2-person team in web development and Python automation projects, increasing team productivity by 25%.
- Streamlined CI/CD pipeline, cutting deployment time by 50% and improving code quality.

Software Developer — Apr. 2020 – May 2021
Dreamz Academy — *Remote*

- Developed a comprehensive C# IELTS training application, facilitating remote learning for 100+ students during COVID-19.
- Created multiple interactive page views for key categories like Listening, Reading, and Writing, featuring automated evaluation and real-time audio-to-text transcription.

EDUCATION

Centennial College — Toronto, ON
Software Engineering Technology - Artificial Intelligence — *Sept. 2021 – Dec. 2024*

- GPA: 4.3/4.5
- Relevant Coursework: Supervised & Unsupervised Learning, Deep Learning, Neural Networks, Natural Language Processing (NLP), Data Structures & Algorithms, Cloud Machine Learning, Big Data Tools

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C#, SQL, PHP, Kotlin, Go
Frameworks & Libraries: TensorFlow, PyTorch, scikit-learn, React, Next.js, Node.js, Flask
Cloud & DevOps: AWS, Azure, GCP, Docker, CI/CD
Data & Analytics: Pandas, NumPy, Matplotlib, Spark

PROJECTS

Encoder-Decoder Transformer Chatbot | *TensorFlow* — GitHub

- Built a transformer model 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 | *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.