

Sunehildeep Singh

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SUMMARY

Proven software engineer with 2+ years of professional expertise and 6+ years of coding experience. Adept at designing and implementing high-performance web applications, machine learning models, and innovative solutions that fuel business growth. Notable for a versatile skill set that spans web and software development, AI, automation, and DevOps, combined with leadership in strategic projects.

EXPERIENCE

Software Engineer

Jan. 2023 – Present

Sun Glow Window Coverings Ltd.

Toronto, ON

- Spearheaded development of 3 high-performance Next.js/React websites, boosting system performance by 40% and driving company-wide record revenue.
- Engineered a Multinomial Naive Bayes ML model for HomeDepot orders, reducing processing time by 20%, saving 50 work hours monthly.
- Developed and launched Dealer Portal using Next.js, enhancing user engagement by 30%.
- Designed and implemented Builder Portal for condominium construction contracts, resulting in a 10% revenue increase.
- Redesigned the Off Cut Shades website, integrating advanced SEO strategies that led to a 40% rise in organic search traffic.
- Led a team of 2 developers in web and Python automation projects, improving productivity by 25%.
- Optimized CI/CD pipeline, cutting deployment time by 50% and enhancing code quality through rigorous testing and continuous integration.

Software Developer

Apr. 2020 – May 2021

Dreamz Academy

Remote

- Developed a C# IELTS training software, supporting remote learning for 100+ students during the COVID-19 pandemic.
- Engineered interactive modules for Listening, Reading, and Writing, with automated evaluation and real-time audio-to-text transcription.

EDUCATION

Centennial College

Toronto, ON

Undergraduate in Software Engineering Technology - Artificial Intelligence

Sept. 2021 – Dec. 2024

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

TECHNICAL SKILLS

Programming 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 Analysis Tools: Pandas, NumPy, Matplotlib, Spark

Productivity Tools: Git, Selenium, Jira, Trello

PROJECTS

Encoder-Decoder Transformer Chatbot Model | *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 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

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.

SOFT SKILLS AND LEADERSHIP

Leadership:

- Managed and led development teams in professional settings, fostering collaboration, enhancing productivity, and driving successful project outcomes.

Community Impact:

- Gained recognition as a reputable community leader in early tech communities, translating these skills into professional roles where team management and mentoring were key responsibilities.