

Sakshi Gor

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Professional Summary

Data Science Developer with 2+ years of experience designing and deploying NLP and ML-driven automation solutions on cloud platforms (AWS, GCP, Azure). Skilled at converting unstructured text and audio into scalable pipelines, integrating GenAI APIs, and improving operational reliability through data engineering. Proven track record of reducing manual effort and runtime failures while improving model quality and data integrity.

Professional Experience

Independent Software Developer – AI

September 2025 – Present

LinguistFix Project | Toronto, ON

- Build rule-based grammar correction algorithm to reduce grammatical errors by 45% and lower the risk of text rephrase by any generative models by 60%
- Found and tested many existing tools to check and compare the accuracy of the models.
- Gather related research papers showing the best methods for grammar correction, and grammar correction dataset for model training.
- Research and plan continuous algorithm trials and playing with libraries and technology stack for getting optimum performance of the algorithm.

Data Science Developer

September 2023 – April 2025

Loom Analytics | Toronto, ON

- Designed and deployed compliance-driven NLP pipelines (SpaCy, Python) for PII detection and redaction, improving privacy compliance accuracy and reducing manual review by 20%.
- Automated audio preprocessing and multi-channel segmentation using FFmpeg-Python and pydub, cutting manual data-prep time by 70% and accelerating model iteration cycles.
- Integrated GenAI APIs (OpenAI, Bedrock, Gemini, Claude) for data enrichment and grammar correction, shortening deployment time by 25% and improving transcript usability.
- Standardized CSV/JSON/SQL data pipelines and validation checks, improving data integrity and reducing debugging time by 50%.
- Documented algorithms, created reproducible workflows, and implemented precision/recall based validations for production models.
- Collaborated with cross-functional teams to fulfil and build client requirements.

Researcher Intern

March 2023 – August 2023

Loom Analytics | Toronto, ON

- Built an audio noise-reduction pipeline (noisereduce, FFmpeg, pydub) that improved speech-to-text quality by 25% and model inputs by 30%.
- Implemented WER (Word Error Rate) evaluations with SpaCy and NLTK to benchmark transcript improvements by 45% and guide model tuning.

Graphic Designer Intern

April 2020 – July 2020

Milestone NGO | WFH, India

- Created campaign visuals and web content using Adobe Photoshop and Canva; contributed to website UI updates to increase outreach by 37%.

WordPress Development Intern

December 2018

GujInfotech | Gujarat, India

- Developed WordPress sites using WPBakery, custom HTML/CSS, and plugin configurations for small business clients.

Skills

- **Programming & Data Handling:** Python (pandas, NumPy, scikit-learn, PyTorch/TensorFlow, Hugging Face, matplotlib, Tkinter, streamlit), SQL (Oracle, MSSQL, MySQL, SQLYog), Bash, Linux, Data Structure, Object Oriented Programming
- **Cloud & DevOps:** AWS (S3, DynamoDB, Lambda, Bedrock), GCP (Vertex AI, Document AI, Gemini), Azure (ML Studio, Document Intelligence), Docker, Git, CI/CD
- **Data:** ML Workflows, RAG, ETL pipelines, JSON/CSV processing, Data Validation, Prompt Engineering
- **Visualization & Tools:** Tableau, Power BI, JIRA, API Integration
- **Technical Writing:** APA and IEEE-format reports, model evaluation documentation, reproducible workflow notes
- **Soft Skills:** Persistent, detail-focused, team player, strong problem-solver, open to feedback, growth mindset, collaborative communicator, research oriented

Education

Postgraduate in AI and ML Technology

January 2022 – August 2023

Lambton College | Toronto, ON

Bachelor of Computer Engineering

May 2017 – July 2021

Gujarat Technological University | Gujarat, India

Certifications & Courses

Banking and Insurance Fundamentals: AML, KYC, and Financial Regulations

December 2025

LinkedIn Learning

- Covered banking operations, risk management, regulatory frameworks, and AML compliance.
- Topics: Money laundering prevention, KYC & customer due diligence, suspicious activity monitoring, sanctions handling, and audit processes.
- Gained knowledge of banking supervision (Fed, OCC, FDIC), insurance regulation (NAIC, IFRS 17), and risk-based compliance programs

Python for Data Science and AI

June 2025

IBM / Coursera

Python Project for Data Science

June 2025

IBM / Coursera

Artificial Intelligence Foundations: Neural Networks

March 2025

LinkedIn Learning

Data Visualization and Dashboards with Excel and Cognos

May 2024

IBM / Coursera

