

SANKALP SHARMA

AI/ML Engineer

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Summary

Aspiring AI/ML Engineer specializing in Generative AI, LLMs, and NLP with hands-on experience building end-to-end ML pipelines. Proficient in Python, SQL, TensorFlow, and PyTorch for data preprocessing, feature engineering, and model deployment. Skilled in MLOps, cloud platforms (AWS, Azure), and scalable API development to deliver production-ready AI solutions.

Skills

- **Programming Languages:** Python, SQL, Java, C++
- **AI/ML & Generative AI:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Large Language Models (LLMs: GPT, Whisper), Generative AI, Feature Engineering, Model Deployment, Predictive Analytics
- **MLOps & Cloud:** CI/CD for ML, Model Monitoring, API Development, Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), Docker
- **Frameworks & Tools:** TensorFlow, PyTorch, Streamlit, Git, GitHub, Power BI, Microsoft Excel
- **Soft Skills:** Problem Solving, Analytical Thinking, Collaboration

Experience

Indian Space Academy Intern

June 2025 – July 2025

Space Analytics (Remote)

- Developed end-to-end **Machine Learning Pipelines** for 100K+ satellite records using **Python, SQL, TensorFlow, PyTorch**, implementing **Feature Engineering** and **Data Preprocessing** to deliver **Production-Ready AI Solutions** and automated **KPI Dashboards**.

Projects

SentinelX - Predict. Prevent. Protect. | *Python, SQL, Machine Learning*

Jan 2025 – Mar 2025

Analyzed 7,000+ telecom customers using **Python, SQL, Feature Engineering** to identify churn drivers and improve retention strategies.

EchoLogic: Voice-to-Documentation Pipeline | *Python, LLMs, Streamlit, NLP*

Apr 2025 – June 2025

Built a **Faster-Whisper + GPT pipeline** with **Streamlit UI** to transcribe, summarize, and generate automated meeting reports.

NeuroSync-AI: Brain-Computer Interface | *Python, TensorFlow, Signal Processing*

July 2025 – Present

Developed a **real-time BCI** using **EEG Signals, Python, TensorFlow**, implementing **Signal Preprocessing** and **Classification Models** for cognitive state detection.

Awards & Certifications

- **Accenture – Software Engineering Virtual Experience (2025):** Hands-on software design, APIs, Agile workflows, and secure coding.
- **Deloitte – Cybersecurity Virtual Experience (2025):** Completed training in breach analysis, log monitoring, and incident response.
- **Microsoft – Generative AI Certification (2025):** Validated skills in building and deploying LLM/GenAI applications.

Education

B.Tech. Computer Science (AI/ML)

Graduated: 2027

Dronacharya College of Engineering

CGPA: 8.6 / 10