

Sanmeet Singh

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Professional Summary

A detail-oriented software developer expanding into Machine Learning, leveraging a Master's degree and hands-on experience building robust applications. Proven ability to implement ML models, including recommendation systems and sentiment analysis, in a live environment. Currently advancing expertise in **NLP** and **Deep Learning**, with a focus on **Generative AI**.

Education

Thapar University, Patiala, PB, Master of Computer Applications July 2024 – Sept 2026

- GPA: 9.50/10.0
- Awarded merit-based scholarship for academic excellence.

Chandigarh Group of Colleges, Landran, PB, Bachelor of Computer Applications Sept 2021 – June 2024

- GPA: 8.42/10.0 - Distinction

Projects

Inkscribe - Modern Blogging Platform [Live Deployment]

- Developed a full-stack blogging platform with integrated machine learning features, including personalized content recommendations, automated sentiment-based comment moderation, and text-to-speech accessibility. Designed custom dashboards for admins and moderators, ensuring a modern, scalable, and user-centric solution that enhanced engagement and operational efficiency. .
- Tech Highlights: Next.js, Custom ORM, MySQL

Transcript Chatbot - Conversational Video Insight [Github]

- Developed Transcript Chatbot an intelligent RAG-based application that enables conversational interaction with YouTube video transcripts. Integrated real-time retrieval using the Chroma vector store and Gemini API to deliver human-like, context-aware responses in natural language.
- Tools Used: FastAPI, Python, LangChain, ChromaDB, Gemini API

Logger - Open-Source Call Log Analytics App [Github]

- Developed and maintain Logger, a privacy-focused Android app for on-device call log analysis. Implemented intuitive data summarization and visualization, robust CSV/JSON import-export, and multilingual support for 15+ languages—delivering global accessibility while ensuring data privacy through local processing.
- Tools Used: Flutter, Kotlin (for implementing native functionality in Flutter)

Technical Skills

Machine Learning & Data Science:

- **Core Areas:** Machine Learning, Deep Learning, NLP, Data Structures & Algorithms
- **Libraries & Tools:** Python, Pandas, NumPy, Scikit-learn, TensorFlow, Keras, LangChain, LLMs
- **Interests:** Computer Vision, Generative AI

Full-Stack Development Toolkit:

- **Languages:** Python, JavaScript, C++, Dart
- **Web & Backend:** FastAPI, Flask, Next.js, React.js, Node.js, WebRTC, WebSockets, JWT, Docker
- **Mobile:** Flutter (Android, iOS)
- **Databases:** MySQL, MongoDB, SQLite, Firebase

Achievements & Awards

- **Hackathon Winner:** Won internal hackathon organized by DCA, CBSA, Landran Mohali (2023).
- **Open Source Maintainer:** 4+ years of experience maintaining an open-source projects. [GitHub]
- **Community Helper:** Answered 100+ questions on Stack Overflow, actively contributing. [Stackoverflow]