AMANPREET SINGH

github.com/Amanbig | Phone: +91 9041232480 | Email: amanpreetsinghjhiwant7@gmail.com | linkedin.com/in/amanpreet-singh-9a1929211

SUMMARY

AI & Data Science enthusiast with strong experience in building **LLM-integrated** and **RAG**-based applications. Skilled in backend development, machine learning model deployment, and scalable cloud integration. Passionate about solving real-world problems using data and intelligent systems.

EXPERIENCE

Software Development Engineer intern at Lafleurtech   **Mar 2025 - Present**

- Developed and deployed **RAG-based** intelligent systems for government organizations including JAC Chandigarh and NDMC Delhi.
- Built a **self-service data** integration platform allowing clients to seamlessly incorporate custom datasets into RAG systems,

Flutter Developer intern at Celebrare   **Dec 2024 - Mar 2025**

- Collaborated with various teams to develop the **iOS** app for **Celebrare**, which is their main application, as well as **WowInvite**, their newest offering.
- Participated in iterative testing, bug-fixes, and UX enhancement with **design & QA** teams.

EDUCATION

B. E. in Computer Science and Engineering   **Dec 2021 - 2025**
Chandigarh college of engineering and technology,   **8.0 CGPA**

PROJECTS

1. Satellite AI ↗   **Nextjs, ShadcnUI, Tensorflow, Fastapi**

- A modern web application that uses AI to classify different types of areas from satellite images using **Convolution Neural Networks(CNN)** with **99%** accuracy.

2. Crop Recommendation System ↗   **Nextjs, Fastapi, Shadcn UI, XGBoost**

- Designed a ML-powered web app for intelligent **crop recommendations** using soil and climate data. Achieved **98%** model accuracy with **XGBoost**, deployed using FastAPI.

3. Meetings Summarizer ↗   **Nextjs, ShadcnUI, Fastapi, Groq API**

- Developed and executed a comprehensive web application that enables users to upload their **meeting videos**, which are then summarized. Additionally, the platform allows users to ask related questions.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, java, Rust
ML/AI Tools: Pandas, NumPy, Scikit-learn, XGBoost, Tensorflow/Pytorch
Frameworks: React, Express Js, Flutter, Nestjs, Nestjs, Fastapi, Flask
Cloud: AWS (Intermediate), Google Cloud (Intermediate)
Deployment Tools: Docker, Git, GitHub
Databases: MySQL, MongoDB, PostgreSQL