

ANKUR PRATAP SINGH

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

SUMMARY

AI/ML-specialized CS undergraduate who **ships production ML and full-stack systems end-to-end** — from model training to deployed applications used by real people. Built a **hackathon-winning crop-advisory platform** (SIH25010, Inverthon 2.0), a **healthcare triage app**, and an **AI travel discovery engine** — plus real startup experience shipping a referral system as a Full Stack Developer Intern. Comfortable across classical ML, applied deep learning, and modern full-stack engineering (FastAPI, Next.js, PostgreSQL).

EDUCATION

Invertis University

Bachelor of Technology, CSE (AI)

CGPA: 8.40

2024 – 2028

TECHNICAL SKILLS

- **CS Fundamentals:** DSA, OOP, Complexity Analysis, DBMS (Normalization, SQL)
- **Machine Learning:** Random Forest, XGBoost, Gradient Boosting, CNNs (TensorFlow/TFLite), Model Validation
- **Engineering:** Python, FastAPI, Next.js, React, Prisma, REST API design
- **Cloud & Systems:** AWS (Lambda, S3, API Gateway), Supabase (Postgres, Auth, RLS), Vercel, Git/GitHub, Linux
- **Math Foundation:** Statistics & Probability, Linear Algebra

INTERNSHIP EXPERIENCE

Full Stack Developer Intern

[TravelDekho Pvt. Ltd.](#)

May 2026 – Jul 2026

- Built the referral/coupon system for a travel platform (Express.js, Next.js, PostgreSQL): tiered reward model where coupon value scaled with referring-user tenure and app usage.
- Owned user-handling logic tying referral codes to account records.

ACHIEVEMENTS

- Winner — Inverthon 2.0 hackathon, Invertis University (for FasalAI).
- Selected, Smart India Hackathon 2025 (SIH25010).
- Completed AWS Educate: Getting Started with Serverless (2023).

LANGUAGES

Hindi | English: Professional Working

PROJECTS

Travel Health Finder (MedLife)

Next.js, FastAPI, PostgreSQL, Google Maps API

[Live Demo](#) | [Source](#)

- Location-aware medical triage app; Gemini-based LLM emergency classifier reasons over symptoms to detect true emergencies, ranks nearby hospitals via live Maps + Apify clinic data.

FasalAI — Smart Crop Advisory Platform — Inverthon 2.0 Hackathon Winner

React, FastAPI, scikit-learn, TensorFlow, Supabase

[Live Demo](#) | [Source](#)

- Built for SIH25010; 500-tree Random Forest for crop recommendation, Gradient Boosting for yield/price, 4 TensorFlow CNNs for disease detection with a Gemini Vision validation gate. 11-language localization. 3 GitHub stars, 2 forks.

Locoro — AI Travel Discovery Platform

Next.js 15, TypeScript, Supabase, Prisma

[Live Demo](#)

- Dual-pipeline discovery engine combining Reddit-mined recommendations with OpenTripMap/OSM data; city alias normalization (Varanasi/Kashi/Banaras) for consistent results across name variants.

Tata Motors Sales Intelligence Platform

FastAPI, XGBoost, Chart.js

[Live Demo](#) | [Source](#)

- Owned ML pipeline (training, evaluation, tuning) for a sales forecasting platform, built with a collaborator: Gradient Boosting Regressor, $R^2=0.9953$ on 70:30 split, 8.45% MAPE.

IPL Playing XI Predictor

Python, Pandas, SQLite, Streamlit

[Live Demo](#) | [Source](#)

- Constraint-first team-selection engine enforcing official IPL rules across 2008–2025 player statistics, with 3 selection strategies (Aggressive/Balanced/Defensive).