

KRISH HITENDRA MISTRY

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PROFESSIONAL SUMMARY

IT Engineering student at St. Francis Institute of Technology (CGPA: 9.34) with hands-on expertise in full-stack development, AI-driven systems, and cross-platform mobile applications. Delivered 7+ production-grade projects spanning Next.js, Flutter, TensorFlow, and LLM integrations. Recognized with 2nd Prize at Colloquium '25 and experienced in leading teams as NSS Head and Ideathon Organizer for 100+ participants. Seeking to apply technical depth and leadership skills in a challenging internship or collaborative role.

EDUCATION

- **Bachelor of Engineering (B.E) in Information Technology:**
St. Francis Institute of Technology (2023–2027) CGPA: 9.34 (Average)
- **Higher Secondary (Class XII):**
Mother Mary's Junior College, HSC Board (2023) Scored 76% | Active in chess and carrom competitions
- **Secondary School (Class X):**
Mother Mary's High School, SSC Board (2021) Scored 90% | Active in school-level sports events

PROJECTS

- ImpactGlobe** (*Next.js · TypeScript · Three.js · Supabase · Gemini AI · Vercel*) 2026
- Engineered a real-time geopolitical and financial intelligence dashboard on a 3D interactive globe (Three.js + Leaflet) with 7 live environmental overlays — earthquakes, wildfires, AQI, and wind — via Open-Meteo, USGS, and NASA EONET APIs.
 - Integrated Google Gemini 2.0 Flash to auto-generate structured geopolitical events with forex impact analysis every 4 hours; built live forex panel with Twelve Data API, Supabase Realtime push, and automated Vercel cron jobs.
- HemiSphere** (*Flutter · Firebase · Python · TensorFlow · MobileNetV3*) 2026
- Developed a cross-platform smart community mobile app (Android/iOS) using Flutter and Firebase Firestore for neighbourhood safety monitoring, resource sharing, and incident reporting.
 - Implemented AI-powered incident detection with MobileNetV3 CNN (Transfer Learning) to classify accidents, construction hazards, and garbage; integrated heuristic regression for real-time CO2 emissions tracking.
- ChessAnalyzer** (*Next.js 15 · TypeScript · React 18 · Stockfish WASM · MUI · Jotai*) 2025
- Built a browser-based chess analysis platform featuring play-vs-Stockfish with adjustable strength, multi-PV engine lines, and game summaries highlighting inaccuracies, mistakes, and blunders.
 - Deployed Stockfish as a client-side WASM engine with graceful thread degradation, 40+ piece set themes, SAN move list, and zero backend dependency for analysis.
- AyurWell** (*Vite · React · TypeScript · Tailwind CSS · Django REST · Token Auth*) 2025
- Designed a personalized Ayurvedic wellness platform with dosha assessment, AI-driven seasonal diet plans, and progress analytics tracking energy, sleep, and hydration.
 - Built a Django REST Framework backend with token-based authentication, secure signup/login, and activity audit logging; connected via a Vite + React + shadcn frontend.
- EduCycle** (*Django REST · React.js · PostgreSQL · Redis · Stripe*) 2025
- Developed a full-stack student marketplace with JWT + OAuth2 authentication, 2FA, real-time chat, Stripe payment integration, and an analytics dashboard.
 - Delivered a PWA-enabled app with offline support, Redis caching, advanced search and filter, and a fully responsive UI.
- HeritageGuide** (*Django 5 · Leaflet · OpenStreetMap · Google Maps API · SQLite*) 2025
- Created a Django-powered travel companion with interactive Leaflet + OSM map, smart multi-modal routing (driving/walking/cycling/transit) via Leaflet Routing Machine, and curated POI markers for historic sites.

- Implemented multi-day itinerary planning, slot-based attraction booking with availability enforcement, and an optional Google Maps upgrade for Place Search and Drawing tools.

Nexus Financial (*Java Swing · MySQL*) 2024

- Engineered an ATM-style desktop banking app with 3-step onboarding, card/PIN login, and full ATM operations — deposit, withdrawal, fast cash, balance enquiry, mini statement, and PIN change.
- Derived account balance from a MySQL ledger table (deposits minus withdrawals) to prevent data inconsistency; stored full transaction history separately for mini-statement queries.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, TypeScript, Dart, SQL, HTML, CSS

Frameworks & Libraries: Next.js, React.js, Django, Flutter, TensorFlow, Three.js, Leaflet, Tailwind CSS, Vite

Databases & Cloud: Supabase (PostgreSQL), Firebase Firestore, MySQL, MongoDB, Redis, Vercel

Tools & Platforms: Git, GitHub, Android Studio, REST APIs, Docker, Postman

AI / ML: Google Gemini 2.0 Flash, MobileNetV3 CNN (Transfer Learning), Heuristic Regression

Soft Skills: Leadership, Problem-Solving, Teamwork, Communication, Time Management, Event Organization

LEADERSHIP & EXTRACURRICULAR

Head of NSS (National Service Scheme) — *St. Francis Institute of Technology* 2025 – 2026

- Spearheaded community service initiatives and coordinated a team of student volunteers across multiple social outreach programs and campus drives.

Ideathon Organizer — *St. Francis Institute of Technology* 2026

- Directed "Samadhan 2026, a national-level ideathon end-to-end handling logistics, participant coordination, vendor management, and on-ground operations for 100+ attendees.
- Spearheaded partnerships with NGOs, including Ek Saath - The Earth Foundation, to source real-world problem statements and facilitate mentorship initiatives.
- Directed a core organizing committee to conduct stakeholder interviews, delegate cross-functional tasks, and ensure seamless event execution.

ACHIEVEMENTS & CERTIFICATIONS

- Participant — Colloquium '26, SFIT | IT for Smart Mobility track Apr 2026
- 2nd Prize (Runner-Up) — Colloquium '25, SFIT
Project: HeritageGuide | IT for Good Governance track Apr 2025
- Volunteer — Colloquium '25, Department of Information Technology, SFIT Apr 2025
- AI Agent Builder Workshop — BotCampus AI (Certificate of Recognition) Nov 2025
- Web Auth Intensive: From Basic to Advance Security — Devtown x Google Developer Groups
VIT-AP & Microsoft Student Chapter MSIT Oct 2025
- NoSQL Ninjas: MongoDB Edition — Devtown x Google Developer Groups VIT-AP & Microsoft
Student Chapter MSIT Sep 2025
- Participation — Prayas Project Exhibition, SFIT 2023
- 2x Winner — Box Cricket Tournament

HOBBIES & INTERESTS

- **Chess** — National-level tournament competitor
- **Carrom** — School-level tournament player
- **Cricket** — 2x Box Cricket Tournament Winner
- **Rubik's Cube** — Proficient in solving multiple cube variants
- **Art & Craft** — Creative pursuits in design and handcraft
- **Technology** — Actively follows emerging tech trends and industry developments