



# Harkiran Kaur

SOFTWARE DEVELOPMENT ENGINEER

## Contact

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## Skills

- Programming Languages- C, C++, Java, Python
- HTML, CSS, JavaScript
- Android Studio, Kotlin
- SQL
- GIT, GitHub
- Game Development
- AI, ML
- Cloud Computing
- AWS

## Languages

English  
Hindi  
Punjabi  
German

## About me

I'm a third-year B.Tech Computer Science student at Amity School of Engineering & Technology, Noida, passionate about building real-world tech solutions. I've developed projects across AI, mobile apps, and web platforms – blending creativity with technical depth. I'm also actively involved in co-curriculars and leadership as a Class Representative. Keen to learn, build, and contribute meaningfully to both tech and community spaces.

## Experience

- **CarePilot – AI Health & Emergency Assistant (Live Web App)**

Designed and deployed an AI-powered web platform offering mental health support, emergency help, and nearby hospital navigation. Integrated sentiment-based chatbot S.E.R.E.N.A., secure session-based login, image uploads, and downloadable chats. Built with Flask, Supabase, and Railway.

- **Vourentree – Volunteer-NGO Networking Platform (Web App)**

Developed backend and database logic for NGO-volunteer collaboration. Features include certificate issuing, fundraising tools, and secure login. Selected in the Top 5000 teams in Build With India Hackathon.

- **ReUsify – Sustainable Material Classifier (Prototype Ready – Android App)**

Android app built using Kotlin and TensorFlow Lite to detect whether a material is recyclable or reusable. Includes camera/gallery input, material recognition, and advice. UI built in Android Studio; fully working prototype tested.

- **BluePulse – Gamified River Health Awareness App (In Progress)**

Designed as a mobile app with interactive digital twin river map, gamification (points, badges), and eco-awareness tools. UI created in Kotlin + XML, inspired by Duolingo's engagement system. Includes splash screen, dashboard, and FAB-controlled interface.

- **Game Development Projects**

- **Lost Valor:** 2D action-adventure exploring memory and resilience
- **Chase:** Cop-Robber based arcade game
- **Beware the System:** Puzzle-platformer with AI dystopia theme
- Placed 4th in Script to Console Game Jam hosted by GDG VRGD.

- **Mini Projects & Tools**

Created multiple small-scale tools and prototypes across Python, Flask, and Android, including productivity tools, ML demos, and automation scripts. Focused on quick prototyping and solving everyday user problems.

- **Competitions & Achievements**

- Finalist – IIITM Gwalior, selected for AI/ML national showcase
- Represented Amity at IIT Delhi Energy Hackathon, built pollution-monitoring platform
- Technovate'25 – only 2nd-year team selected among final-year projects
- Participated in CyberCup 3 & 4
- Winner in inter-college dance and drama events
- Active participant in hackathons, college tech + cultural fests

## Education

### (2023-Present) B.Tech. CSE

Amity University Noida

- 3rd Year | Class Representative
- Active in hackathons, tech clubs, and cultural fests
- Represented college at national-level technical and creative events