

# Alok Gupta

alok.sot010015@pwioi.com — Website: alok-gupta — GitHub: alokg-812

## Objective

Engineering student from IIT Madras passionate about building impactful digital solutions. Skilled in full-stack development, REST APIs, and real-time prototyping. Actively exploring mobile development with Kotlin Multiplatform and seeking opportunities to apply my problem-solving mindset to Government Tech (B2G) challenges.

## Education

### IIT Madras

May 2024 – Present

Bachelor of Science in Data Science and Applications

*Relevant Courses:* Modern Application Development, Machine Learning Foundations, System Commands, Python, SQL

## Technical Skills

**Languages:** Python, Java (Basic), SQL, Kotlin (Learning)

**Frameworks/Tools:** Flask, Android Studio (Beginner), SQLite, Git, Bootstrap, Jinja2

**Platforms:** Windows, Linux (WSL), GitHub, VS Code

## Projects

### Guardian of the Roads – Smart Road Safety App

*Uyir Road Safety Hackathon Finalist, 2025*

- Designed a real-time risk-aware routing app prototype inspired by Aarogya Setu, targeting accident-prone zones in Tamil Nadu.
- Integrated traffic and accident data APIs; visualized hotspots using geolocation with a Flask-based backend and interactive UI.

### EmergencyCare Connect – Healthcare Access App

*Hackvortex, 2025*

`hackvortex.vercel.app`

- Built a multilingual prototype app to route ambulances and display real-time hospital bed availability using traffic APIs and REST.
- Added features like blood donor matchmaking, elderly care request system, and GPS-enabled emergency location tracking.

## Achievements

- Finalist – Uyir Road Safety Hackathon 2025, Coimbatore (Presented to IAS Deans)
- Finalist – Shaastra Programming Contest, IIT Madras
- Finalist – ReverseCodingX Contest, IIT Madras
- Finalist – Quantathon, IIT
- Finalist – Innothon 2025, IIIT Bhubaneswar