

Pankhi Gupta

linkedin.com/in/pankhi-gupta-195a4b343 • Pankhigupta(Github) :
https://github.com/Pankhigupta

Skills

Languages: Python, Java, JavaScript

Frameworks: Django

Backend & Database: Node.js, REST APIs, MySQL

ML/AI: PyTorch, TensorFlow, Keras, YOLO

Tools/Tech: Git, Firebase, Blender, Canva, IBM Cloud

Experience

Software Development Intern — The JAM Analytics Mar 2025 – Present

- Developed secure login and authentication backend modules using Node.js.
- Built a barcode-based inventory system reducing manual stock entry by **70%**.
- Designed OCR pipelines to extract structured data from medical bills with high accuracy.
- Optimized backend queries, reducing API response latency.
- Collaborated with a 5-member team for production integration.

Projects

Yatirpath — Indoor Railway Navigation (Team Leader)

- Conducted research across papers and existing indoor navigation systems to refine solution.
- Built an AR-based indoor navigation system with real-time path overlays.
- Integrated kiosk interface for navigation and live train updates.
- Reduced average user path-finding time by **40%**.
- Won **Most Scalable Solution** at UHack 2.0.
- **Tech:** ARCore, Python, Java, Firebase, Unity

Jalaj — Water Disaster Reporting & Management App

- Researched disaster-management papers and existing reporting platforms to define problem scope.
- Developed a platform for crowdsourcing water-related issues.
- Shortlisted (Waitlist) for **Smart India Hackathon 2023**.
- **Tech:** Python, JavaScript, Firebase, GIS

Car Model & Price Detection using YOLO

- Reviewed prior YOLO research and datasets to frame detection and price estimation pipeline.
- Improved accuracy using augmentation and fine-tuning.
- **Tech:** Python, YOLO

Achievements

Winner — **Most Scalable Solution**, UHack 2.0

Shortlisted (Waitlist) — **SIH 2023**

Python for AI/ML — IIT Kanpur & Livewire Academy

IBM SkillsBuild Badge in Artificial Intelligence

Participated in **8+ hackathons**

Education

B.Tech — Computer Science & Engineering (2026)