

PRANJAL GUPTA A

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Bangalore, Karnataka

OBJECTIVE

Motivated Computer Science undergraduate with a strong interest in Artificial Intelligence and Machine Learning, seeking internship opportunities to apply and expand my technical skills. Passionate about building real-world AI solutions that address user-centric problems. Eager to collaborate with cross-functional teams, contribute meaningfully to innovative projects, and grow into a specialist in the field of AI/ML through hands-on experience.

EDUCATION

- **Faculty Of Technology, University of Delhi** 2024 - 2028
B.Tech in Computer Science Engineering Delhi, India
 - CGPA: 8.20/10
- **Presidency PU College** March 2023
Intermediate Education Bangalore, India
 - Grade: 92%
- **R.T.N.E.T Public School** April 2021
High School Education Bangalore, India
 - GPA: 8.9/10

INTERNSHIP EXPERIENCE

- **Pracverse** [April 2026 – August 2026]
Computer Vision Intern [Delhi, India]
 - Studied and implemented the working principles of a gesture-controlled drone system, understanding how hand gestures are captured and translated into real-time flight commands.
 - Learned OpenCV and MediaPipe to build hand-tracking and gesture-recognition pipelines, writing code to detect landmarks and map gestures to drone control logic.

PROJECTS

- **Project A: Genricylce (DBMS Healthcare and Sustainability Platform)** October 2025
Technical Stack: HTML, TypeScript, JavaScript, CSS, and Python. 
 - Built a full-stack, multi-role DBMS platform for patients, doctors, delivery partners, and hospital labs, covering telemedicine, lab tracking, and pharmaceutical logistics.
 - Integrated an AI-powered chatbot for automated user support and designed the backend to handle transactions, orders, and secure profile storage.
- **Project B: NaariRakshak: AI-Powered Women's Commute-Safety App** 2025
Technical Stack: Flutter, Dart, Twilio API, OpenStreetMap 
 - Building a cross-platform safety companion app in Flutter with SOS alerts and live location sharing powered by Twilio integration.
 - Implemented map-based route tracking using OpenStreetMap for real-time location display.
- **Project C: LISS-IV SAR-Guided Cloud Removal (ISRO Hackathon)** 2025 - 2026
Technical Stack: Python, PyTorch, U-Net (ResNet-34), Sentinel-1 SAR, Streamlit 
 - Built a SAR-guided U-Net that fuses cloudy LISS-IV optical imagery with Sentinel-1 SAR data to reconstruct cloud-free satellite scenes, achieving 33.62 dB PSNR and 0.96 SSIM on validation patches.
 - Designed the end-to-end pipeline (preprocessing, training, evaluation) and a Streamlit demo app for interactive inference and visualization.
- **Project D: ELIGIFY: Automated Exam Eligibility System** November 2025
Technical Stack: HTML5, CSS3, JavaScript, MVC Architecture, OpenCV, python, Flask, Tesseract OCR 
 - Built a Flask web app that automates exam eligibility checks via a dual-strategy PDF parser (PyPDF2 with Tesseract OCR fallback) exposed through a REST API with OpenCV-based image preprocessing.
 - Structured the app using an MVC pattern and handled document workflows with pdf2image/Pillow, backed by a SQL data schema.

SKILLS

- C/C++
- HTML5
- CSS3
- Data Structures
- Python
- DBMS
- MySql