Priyansh Vaish

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EDUCATION

VIT Bhopal University   Bhopal, India
B.Tech in Computer Science (AI and ML) | CGPA: 8.53   2023 – 2027 (Expected)

SKILLS

- **Languages:** Python, C++, Java, HTML5, CSS3, SQL
- **AI/ML Frameworks:** TensorFlow, PyTorch, Keras, Scikit-learn
- **Computer Vision:** OpenCV, YOLOv8, MediaPipe, face_recognition, Tesseract OCR
- **Data Science:** Pandas, NumPy, Matplotlib
- **Databases & Cloud:** Supabase, PostgreSQL, SQLite, AWS Cloud Services

EXPERIENCE

Finalist — Inya.ai Buildathon (Initiative by NASSCOM)   Oct 2025
Team Dikastirio | Track: Airlines Booking and Status
- Developed Hermes, a bilingual AI flight assistance agent for airline customer support.
- Enabled users to perform bookings, cancellations, and flight status queries via voice, chat, and SMS.
- Achieved 95% intent recognition accuracy across English and Hindi, improving response reliability.

PROJECTS

FaceID Attendance System

- Engineered a face recognition system with 97% accuracy and sub-200ms latency for 100+ users.
- Implemented validation cutting 95% of duplicate entries across 50+ peak daily sessions.
- Deployed Supabase cloud integration to process 1,000+ daily records from multiple locations.

Automatic Number Plate Recognition (ANPR)

- Architected an end-to-end YOLOv8-Tesseract pipeline with 90%+ accuracy on 2,000+ video frames.
- Streamlined localization to process 30 FPS streams with 95% consistent detection rates.
- Constructed scalable modules for 500+ plates/hour, cutting manual processing time by 80%.

Dikastirio – Legal AI Assistant (Ongoing)
Team Dikastirio
- Built an immersive VR e-courtroom, enabling 95% faster legal document access.
- Developed a RAG pipeline to parse 1,000+ IPC/Constitution articles via a custom recursive chunker.
- Created 5,000+ embeddings with a legal-specific sbert-legal-xlm model, storing in ChromaDB.

CERTIFICATIONS AND ACTIVITIES

- **Cloud Computing** – NPTEL, IIT Kharagpur (Jan–Apr 2025)
- **Machine Learning Specialization (3-Course Program)** - DeepLearning.AI, Stanford
- Team Member, Design Team - AWS Cloud Club, VIT Bhopal University (2024–2025)