

SUMIT HELONDE

AI/ML Engineer | Data Analyst | N8N Automation Developer

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EDUCATION

St. Vincent Pallotti College of Engineering & Technology

Bachelor of Technology in Computer Science

Nagpur

Aug 2023 – Present

TECHNICAL SKILLS

Programming: Python, C/C++, HTML, CSS

AI/ML & Data: Machine Learning, Data Analysis, Power BI, Data Visualisation, RAG Systems, LLMs

Automation: n8n, Selenium, Web Scraping, Pinecone, Google Gemini API, API Integration

Other: Computer Vision (YOLO), Browser Automation

PROFESSIONAL EXPERIENCE

AI/ML Intern

Mar 2026 – Present

Matverse Vision Pvt. Ltd.

- Designing AI-driven automation solutions in the agriculture domain.
- Automated domain workflows using machine learning and data processing pipelines.
- Contributed to model integration, data engineering, and system optimisation

PROJECTS

COURAGE — AI Legal Assistant | *RAG, Pinecone, Gemini API, n8n*

December - 2025

- * Built a multilingual legal chatbot using RAG with Pinecone vector DB and Gemini embeddings, enabling context-aware responses over legal documents.
- * Engineered end-to-end document ingestion and semantic search pipelines orchestrated via n8n; reduced manual query handling by automating workflow routing.

Vigilens.AI — AI-Powered Proctoring System | *YOLOv8, OpenCV, Python*

March - 2026

- * Developed real-time exam proctoring system with YOLOv8 for object detection and MediaPipe for face/pose tracking; flagged behavioural anomalies with timestamped alerts.
- * Built automated logging and reporting pipeline, enabling scalable, offline-capable supervision without human reviewers.

Offline Facial Recognition & Liveness Detection | *MediaPipe, TFLite, MobileFaceNet*

May - 2026

- * Developed the core face recognition and liveness detection model using MediaPipe, achieving sub-1s inference with all models under 20MB for fully offline authentication.
- * Designed a randomized active-challenge verification flow (e.g. prompting users to move closer, turn head left/right in random sequence) to defeat spoofing via pre-recorded video or photos.

ACHIEVEMENTS & COMPETITIONS

Top 30/500+ Teams – Hack & Make MP Startup — (Jan 2025)

3rd Prize (2nd Runner-Up) – Socio-Ideathon — (June 2025)

3rd Runner-Up – Innovolt Hackathon — (March 2025)

3rd Place – Data Visualization Hackathon — (March 2025)

TEACHING & LEADERSHIP

Workshop Instructor — Web Development using AI Tools

- Conducted hands-on sessions on AI-assisted web development for school students.

Jan 2026

Electronics Instructor — Government School Initiative

- Taught electronics fundamentals and practical applications to students in Grades 7–9.

CERTIFICATIONS

Green Skills and AI by Edunet Foundation.

INTEL Unnati Industrial Training Program 2025.

Advanced Data Structures (Arrays, Trees, Graphs, Hashing).

Data Science & Analytics (Forage)