

Himanshu Goyal

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PROFESSIONAL EXPERIENCE

AI/ML Engineer Intern, *Thynk Tech India*

09/2025 – 02/2026 | Pune, Maharashtra

- Built an AI-based Online Proctoring System using **Python**, **OpenCV**, and **YOLO**, achieving 92–95% accuracy in detecting suspicious behaviors.
- Developed **face recognition authentication** using CNN-based models, reducing impersonation risk by 85%.
- Implemented real-time alert system and video pipeline optimization, achieving 20–25 FPS and reducing latency by 30%.

AI/ML Engineer Intern, *Sub Fibo Technologies*

03/2025 – 05/2025 | Pune, Maharashtra

- Developed a theft detection system using **Python**, **OpenCV**, and **YOLO**, achieving 88–91% accuracy on CCTV footage.
- Built real-time object detection and tracking pipeline running at 22–28 FPS.
- Reduced false positives by 20% through model finetuning and dataset optimization.

Data Analytics Intern, *Mitu Skillogies*

01/2025 – 02/2025 | Pune, Maharashtra

- Performed **EDA** and **data preprocessing** on medical datasets using **Python**, **Pandas**, **NumPy**, improving data quality by 25%.
- Created visualizations with **Matplotlib** and **Seaborn**, reducing analysis time by 30%.

PROJECTS

Conversational AI Chatbot Suite

- Built **AI workflow automations** using **LangChain** and **agent-based orchestration** for document processing and task automation.
- Integrated **RAG** with **6+ LLMs (Gemma, LLaMA3, Mistral)** using **FAISS / Chroma + prompt engineering** for multi-turn conversations

Cloud Motion Prediction using INSAT-3DR Satellite Imagery

- Engineered **diffusion model (DDPM)** for cloud forecasting from **INSAT-3DR** thermal imagery (**Python**, **PyTorch**) | Built **MLOps: MOSDAC, H5-to-numpy, PyTorch Lightning** (CUDA, early stopping, checkpointing)
- Evaluated via **SSIM/ PSNR (torchmetrics, scikit-image)** Deployed **Streamlit + Plotly** dashboard (**GDAL/ netCDF4**); **4→1 frame prediction** at **64×64**

Advanced AI Resume Evaluator

- AI-driven ATS using **Google Gemini API & Streamlit** (95% accuracy, 70% screening time reduction).
- Resume parsing, **NLP-based** keyword matching, and analytics for recruitment.

SKILLS

LLM & RAG: LLM inferencing (OpenAI, Anthropic, AWS Bedrock) | RAG architectures, vector search pipelines | Embeddings & vector databases: FAISS, Pinecone, Weaviate | Prompt engineering, orchestration | LangChain | LangGraph | n8n | AI Workflow Automation.

Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-learn

AWS AI/ML Services: SageMaker, Bedrock, Lambda, API Gateway, S3, DynamoDB

Data & Workflow tools: DVC, Apache Airflow

Model Management: MLflow

Version Control: Git, GitHub

Containerization: Docker

Cloud Platforms: AWS, Azure

APIs: REST API, FastAPI, Flask

SOFT SKILLS

- Problem Solving
- Communication
- Team Collaboration
- Adaptability
- Attention to Detail

EDUCATION

B.E. Computer Science Engineering,

Keystone School Of Engineering

11/2022 – 06/2026 | Pune, Maharashtra

CGPA - 9.36

ACHIEVEMENTS

Gen AI Exchange Hackathon 2025 – Google Cloud | Hack2Skill

- Recognized among Top Teams in India for developing a Generative AI-based prototype focused on youth mental wellness.

Bharatiya Antariksh Hackathon 2025 – ISRO

- Received Certificate of Acknowledgement for proposing an AI-based approach for cloud motion prediction using satellite data.

COURSES

- End-to-End MLOps Bootcamp : Build, Deploy, and Automate ML
- Generative AI Course with Langchain and Huggingface