

LAKSHYA AGARWAL

+91 7877160716 ◇ Delhi, India

lkag04@gmail.com ◇ [LinkedIn](#) ◇ [GitHub](#)

PROFESSIONAL SUMMARY

AI/ML Engineer with hands-on experience in Generative AI, Large Language Models (LLMs), Deep Learning, NLP, and workflow automation. Proven experience in building AI-driven systems for documentation automation, computer vision, and analytics. Strong foundation in Python, machine learning frameworks, and enterprise-scale AI solutions.

EDUCATION

B.Tech – Computer Science and Engineering (AI/ML), Bennett University 2022 – 2026
CGPA: 7.5

Indraprastha Global School, Class XII 2020 – 2022
Percentage: 75.2%

TECHNICAL SKILLS

Programming Languages	Python, Java, C++, SQL
Machine Learning	Supervised Learning, Unsupervised Learning, Deep Learning, Model Evaluation
Generative AI	Large Language Models (LLMs), Prompt Engineering, AI Reasoning, NLP
Computer Vision	OpenCV, Image Processing, CNNs
Frameworks	TensorFlow, PyTorch, LangChain, Autogen, Word2Vec
Tools & Platforms	Git, MySQL, n8n, Mermaid, JSON, REST APIs
Testing & QA	Functional Testing, Regression Testing, Test Case Design, Defect Tracking

EXPERIENCE

SAP BTP Developer - Trainee Jan 2026 – Present
IngenX Technology Pvt Ltd. *Gurugram, India*

Project Intern Jul 2025 – Jan 2026
Sopra Steria *Noida, India*

- Developed Project C0D3N0VA, an LLM-based automation framework to generate technical and business documentation from legacy codebases.
- Built automated architectural visualizations using Mermaid and JSON, including ASTs, CFGs, component, system, and database diagrams.
- Evaluated LangChain, Semantic Kernel, and Autogen frameworks to identify the most scalable solution for enterprise deployment.
- Improved documentation accuracy and reduced manual effort through AI-driven automation.

AI/ML Intern May 2020 – Jul 2021
Simulanis Pvt Ltd. *Delhi, India*

- Assisted in developing XR solutions integrated with AI/ML models.
- Worked with SDKs and workflows for XR + AI applications.

Freelance Developer 2021 – Present
rajgarhminerals.in

- Designed and deployed a responsive, SEO-optimized corporate website using WordPress.
- Implemented automation for inquiry handling and performance optimization, improving client response efficiency by 30%.

PROJECTS

CaptionIt – Implemented a deep learning–based image captioning system using CNNs and NLP techniques. [GitHub](#)

chalytics.ai – Developed a Python-based analytics platform to analyze 10,000+ chat messages and generate insights, heatmaps, and emoji trends. [GitHub](#)

Satellite Image Enhancement (SIH Hackathon) – Designed a deep learning–based image enhancement pipeline for satellite imagery analysis.

LEADERSHIP & ACTIVITIES

- Tech Head, Robotics Club – Led AI-driven robotics projects, organized technical events, and mentored peers.
- Participated in national-level AI/ML hackathons, including SIH, building real-world machine learning solutions.

CERTIFICATIONS (SELECTED)

- Generative AI with Large Language Models – DeepLearning.AI / AWS
- Unsupervised Machine Learning – IBM
- Exploratory Data Analysis for Machine Learning – IBM
- Sample-based Learning Methods – University of Alberta
- Digital Image/Video Processing – Northwestern University