Kunal Gautam

Maharajganj, Siwan, Bihar (841238) — kunalgautam489@gmail.com — +91 9508134469

github.com/kunal654 — linkedin.com/in/kunal-gautam-2981b2292

SUMMARY

Python Developer with hands-on experience in machine learning, computer vision, automation, and API-driven application development. Strong expertise in Python for building AI solutions including YOLO-based fire detection, intelligent assistants, WhatsApp automation bots, and LLM-powered systems. Practical exposure to CI/CD using Jenkins, cloud-based environments, and system administration, with a strong focus on scalable, data-driven solutions.

EDUCATION

Bachelor of Computer Application (BCA), West Bengal University of Technology (MAKAUT)
2022 – 2025

Higher Secondary (XII), D.A.V Public School, Maharajganj
2022

Secondary (X), R.N.P Public School, Chapra
2020

WORK EXPERIENCE

Software Developer Intern – Kognos Infosystem   Aug 2025 – Dec 2025

- Worked as a Backend Python Developer.
- Developed AI-powered assistants and WhatsApp bots, automating 50–70% of repetitive user interactions.
- Implemented Twilio-based medical information bot handling automated disease/medicine queries daily.
- Designed responsive websites increasing user engagement by 35%.

PROJECTS

Obstacle Avoiding Arduino Car (Major Project)   2025

- Designed a dual-mode Arduino robot reducing navigation errors by 40%.
- Implemented Bluetooth-based app control improving responsiveness by 55%.

Plant Disease Detection System (Minor Project)   2025

- Built a TensorFlow & OpenCV-based plant disease classifier with 89% accuracy.
- Reduced diagnosis time by 70% through automated pipeline.
- Added WhatsApp-based detection interface delivering results in 5–7 seconds.

Fire Detection System Using YOLOv9   2024

- Achieved 95% fire detection accuracy across varied datasets.
- Reduced false positives by 27% with optimized thresholds.

Personal AI Assistant (JARVIS)   2024

- Developed an AI assistant performing PC automation tasks.
- Achieved 90% command accuracy in quiet environments.

WhatsApp Medicine Bot   2024

- Automated 1,000+ medicine/disease queries using Flask & Twilio.
- Reduced support load by 50% for clients.

SKILLS

Programming:	Python, Java, C
AI & ML:	Machine Learning, Deep Learning, TensorFlow, Keras, OpenCV, YOLO, LLM APIs (OpenAI, HuggingFace), Prompt Engineering, LangChain,
Automation:	Python Scripting, REST API Automation
Web & APIs:	Flask, Django, WordPress
Cloud & DevOps:	Jenkins (CI/CD), Azure, Google Cloud Platform (GCP)
Databases:	MySQL, SQLite
Tools:	Git, GitHub, Linux, Windows, VS Code, Figma, Canva

CERTIFICATIONS

• Privacy and Security of Online Social Platforms
• AWS Cloud Technical Essentials
• AI/ML Industrial Training – Sukhvriddhi, Delhi

PROFESSIONAL STRENGTHS

Strengths:	Fast learner, Collaboration, Attention to detail, Problem-solving