GAURAV KUMAR – Python Developer
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Profile Summary

Python-focused developer with practical experience building backend workflows, automation systems, and API-based applications. Strong foundation in software engineering principles, OOP, debugging, database operations, and writing clean, maintainable code. Worked on projects involving REST APIs, data processing, authentication, and persistent storage using MySQL and MongoDB. Experienced with automation using Python, Selenium, and scripting to eliminate repetitive tasks and improve efficiency. Comfortable working with Git, deployments, and iterative development. Currently strengthening system design, testing practices, and backend scalability to excel in a production engineering environment.

Work Experience

Automation Ace – Automation Intern *(Remote, Work From Home)*   **Sep'25-Oct'25**
- Worked on automation workflows & scripting using Python and REST API interactions.
- Optimized backend task sequences reducing manual work by 30%.
- Collaborated with engineering team to implement reusable and modular codebase.
- **Tech Stacks**: Python, Selenium, PowerShell, APIs, Git

Projects

Personalised RAG LLM ChatBot | Python (Gradio, MongoDB, Google Gemini API) LINK   **Oct'25**

- Developed a full-stack chatbot that remembers user-specific facts and generates personalized responses using RAG principles.
- Integrated Google Gemini LLM with MongoDB for persistent memory and context-aware answer generation.
- Built an interactive Gradio frontend for real-time user interaction, demonstrating end-to-end software engineering

Email Rewriter Gen AI |Python (Hugging Face, Transformers, Flask) LINK   **Aug'25**

- Trained and fine-tuned a transformer model on a custom dataset of 5,000+ emails, improving rewriting fluency by 30%.
- Deployed the model with Flask, enabling real-time rewriting of 100+ emails/day through a simple web interface.
- Built a reproducible training pipeline on Google Colab, reducing experimentation time by 40%.

Piano Tiles Automation Bot| Python (PyAutoGUI, Pillow) LINK   **Jan'25**

- Built an automated bot to play Piano Tiles in real time.
- Used image recognition with Pillow to detect tiles from screen captures.
- Implemented precise input automation using PyAutoGUI.

Technical Skills

Programming & Querying:	Python, SQL (MySQL), C++ (basics)
Data Analysis & Reporting:	Excel, Pandas, Tableau, Matplotlib
Databases:	MySQL, Mongodb Atlas(basics), Amazon S3
Automation & APIs:	Flask (basic), FastAPI (basic), Selenium, PyAutoGUI
Data Processing (Familiar):	Hadoop, Spark
AI / ML (Exposure):	Hugging Face, Transformers, OpenCV, YOLO
Version Control:	Git, GitHub

Education

Lovely Professional University Punjab   **Aug'22 — *Present***
Computer Science and Engineering — CGPA: 7.5   *Phagwara, Punjab*

Kendriya Vidhalaya Manesar   **Apr'20– Mar'21**
12th with Science — Percentage: 89%   *Gurgaon, Haryana*

Kendriya Vidhalaya Kankinara   **Apr'17– Mar'18**
10th with Science — Percentage: 86.6%   Kankinara, Kolkata