

Gaurav Verma

Automation, AI & DevOps Engineer

Skills

Python · JavaScript · Bash · Linux · **Flask** · FastAPI · **Selenium** · BeautifulSoup · Requests · **Docker** · Git · **CI/CD** · **OpenCV** · FFmpeg · LangChain · **OpenAI API** · **Local LLMs** · **Workflow Automation** · Pandas · Plotly · SQL · Tailwind CSS

Experience

Freelancer – Upwork & Freelancer.com

2018 – Present

Delivered over 50+ automation and data integration solutions for global clients through Upwork and Freelancer, focusing on scalability and reliability.

- Built automation tools and web scrapers for clients across industries.
- Designed scalable data-mining pipelines and workflow automation systems.
- Delivered production-grade Python solutions with API, database, and media integrations.

Links

[Portfolio](#)
[GitHub](#)
[LinkedIn](#)
[Freelancer](#)
[Upwork](#)
[Codewars](#)

Gaurav Verma

Punjab, India

Remote-Ready | Time Zone: GMT+5:30 (IST)

+91 6239907740
gauravverma64786@gmail.com
gaurav.vermabox.dev

Profile

Experienced in designing full-stack automation pipelines that combine AI, DevOps, and data processing for scalable system integration. With 5+ years of remote freelance experience, I've delivered automation systems that reduce manual work and improve data processing efficiency for global clients. Skilled at integrating AI, DevOps, and workflow orchestration tools to create scalable automation pipelines. Fluent in English, Punjabi, and Hindi, I excel at managing independent projects and collaborating across time zones.

Freelancer Experience

Freelance Automation Engineer delivering web scraping and workflow automation solutions for clients across industries.

Python Automation Expert

Freelancer | Upwork

- Developed and delivered custom automation solutions for clients using Python, including data scraping, web automation, and workflow optimization.
- Key skills: Python, Selenium, BeautifulSoup, Automation.
- Delivered high-quality results, improving clients' operational efficiency by automating repetitive tasks.

Social Media Automation Script

Freelancer | Upwork

- Designed and implemented a social media automation script, helping clients automate tasks such as posting and engagement.
- Key skills: Python, Automation, Social Media APIs.
- Achieved seamless automation that significantly reduced manual workload and enhanced social media management.

Web Application for OCR ENGINE

Freelancer | Freelancers.com

- Built a web application for the OCR ENGINE using flask, JavaScript, and Python, ensuring smooth functionality.
- Key skills: JavaScript, Python, Software Architecture.

Education

B.Tech in Computer Science –
Bhutta College of Engineering
(PTU)
2022 – Present
7.8 CGPA

Diploma in Computer Science –
Guru Nanak Dev Polytechnic
College
2018 – 2022
7.8 CGPA

Web Design in Diploma –
GGINMT
2017

10th – BCM School, Dugri
2016
86 %

Personal Projects

Selected projects showcasing end-to-end automation, AI integration, and video processing pipelines.

Nether Teller / Whispers of the Nether Pipeline

Python · LLM · API Automation · AI Art · TTS · OpenCV · FFmpeg

- Built a **generative horror-story system** that fully automates short video creation—from story generation to YouTube upload.
- Integrated **local LLM, AI art generation, text-to-speech narration, and video assembly** using OpenCV + FFmpeg.
- Implemented **YouTube Data API** for automated uploads and metadata generation.

Beastly Neon Pipeline

Python · FFmpeg · YouTube Data API · SQL · Automation

- Designed an **end-to-end content pipeline** that transforms raw gameplay footage into edited highlight reels.
- Automated **clip detection, transitions, music, and SEO metadata** insertion using FFmpeg + Python.
- Added **auto-upload and scheduling** via YouTube API for consistent content delivery.
- Reduced manual editing time **from hours to minutes**, improving posting frequency and engagement.

PartsRadar – PC Price Tracker Platform

Python · Flask · Tailwind CSS · Requests · Plotly · Pandas

- Created a **real-time Indian PC-parts comparison platform** tracking thousands of listings across major retailers.
- Developed backend in **Flask** with scheduled **web-scraping**, data analytics, and **interactive charts** for price history.
- Implemented **smart alerts, compatibility checks, and build-assistant** features for PC enthusiasts.