

GAURAV KUMAR

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Work Experience

Automation Ace – Automation Intern (*Remote, Work From Home*)

Sep'25

- Developed and optimized automation scripts that streamlined repetitive tasks, reducing manual effort by 30%.
- Designed and tested workflows to improve system reliability, cutting error rates by 25% in automated processes.
- Collaborated with cross-functional teams to identify automation opportunities, boosting overall workflow efficiency by 20%.
- Tech Stacks:** Python, Selenium, PowerShell, APIs, Git

Projects

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%.

Email Spam Classifier | Python, Scikit-learn, Pandas, NLP, TF-IDF [LINK](#)

Jun'25

- Developed and deployed an NLP-based spam detection model for SMS and email classification with high accuracy.
- Preprocessed over 5,500 text messages using tokenization, stemming, stopword removal, and normalization for clean input.
- Applied TF-IDF vectorization with Multinomial Naive Bayes classifier, achieving 97% accuracy in spam classification tasks.

YOLO Object Detection Model | Python (YOLO, OpenCv, Flask), Html, CSS, JavaScript [LINK](#)

Sep'24

- Implemented a YOLO-based object detection system achieving 92% accuracy across 5 categories.
- Optimized the pipeline to improve detection speed by 25%, enabling classification in under 2 seconds per image.
- Deployed via Flask web app with UI, tested on 1,000+ images for performance and reliability.

Piano Tiles Automation with Computer Vision | Python, PyAutoGui, Pillow [LINK](#)

Mar'19

- Built a computer-vision automation bot detecting tiles at 60 FPS with 95% accuracy.
- Optimized reaction time by 40%, achieving consistent high scores above 10,000+ points.
- Designed adaptive logic to handle increasing tile speed for long-term stable gameplay.

Certificates

Approximation Algorithms and Linear Programming

May'24

Coursera — [Certificate Link](#)

R Programming

Apr'24

BoardInfinity — [Certificate Link](#)

ChatGPT Playground for Beginners: Intro to NLP AI

Apr'24

Coursera — [Certificate Link](#)

Technical Skills

Languages: Python, SQL, C++, Golang(Familiar), Lua(Familiar)

Web/Frameworks: Flask, Pandas, FastAPI(familiar), Transformers (Hugging Face), Selenium, PyautoGui

AI/ML Tools: Hugging Face, Transformers, OpenCV, NLP, YOLO

Databases: MySQL, PostgreSQL

Other Tools/Tech: GitHub, Excel, Tableau, Hadoop, Spark

Education

Lovely Professional University Punjab

Computer Science and Engineering — CGPA: 7.4

Aug'22 — Present

Phagwara, Punjab

Kendriya Vidhalaya Manesar

12th with Science — Percentage: 89%

Apr'20– Mar'21

Gurgaon, Haryana

Kendriya Vidhalaya Kankinara

10th with Science — Percentage: 86.6%

Apr'17– Mar'18

Kankinara, Kolkata