**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](https://github.com/ohnogaurav/Email-Rewriter) **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](https://github.com/ohnogaurav/sms-spam-detection) **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](https://github.com/ohnogaurav/SmartIndiaHackathon) **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](https://github.com/ohnogaurav/PianoTilesBot) **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*](https://coursera.org/share/ef7c72bc37cd94dcbe8ad8de201b36bd)

**R Programming Apr’24**

BoardInfinity *—*[Certificate Link](https://www.coursera.org/account/accomplishments/specialization/UW2GZVABWEEP?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=s12n)

**ChatGPT Playground for Beginners: Intro to NLP AI Apr’24**

Coursera *—* [*Certificate Link*](https://coursera.org/share/c2c798fec8ea62ca3d5ec899cba32f22)

# Technical Skills

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# 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

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**Lovely Professional University Punjab** **Aug’22 *—******Present***

*Computer Science and Engineering — CGPA: 7.4 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