

# Gaurav Kumar

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## SKILLS

- Languages** : Python, R, C++
- Frameworks** : Apache Hadoop, Spark, Pandas, Requests, BeautifulSoup, Flask, Matplotlib, NumPy,
- Databases** : MySQL, MongoDB
- Tools** : Tableau, Excel
- Soft Skills** : Problem-solving , teamwork, project management, adaptability

## PROJECTS

- Machine Learning Model for SIH'24 | 2024:**

Aug'24 - Sep'24

  - Designed and implemented a custom YOLO-based object detection model to accurately scan and classify images into predefined categories.
  - Collected, cleaned, and annotated a large image dataset to improve training accuracy and reduce false positives.
  - Tech:** Python, Flask, JavaScript, HTML, CSS
- Guessing Game Using Tkinter | 2022:**

Oct'22 – Nov'22

  - Designed and developed an interactive number guessing game with a graphical user interface using the Tkinter library.
  - Packaged the game as a standalone executable for offline play.
  - Tech:** Python, Tkinter
- Student Management System | 2020:**

Dec'20 –Jan'21

  - Built a Python-MySQL app for student record management.
  - Added CRUD features with input validation.
  - Tech:** Python, MySQL
- Piano Tiles Bot | 2019:**

Mar'19 – Apr'19

  - Built an automated bot to play Piano Tiles using PyAutoGui.
  - Added image recognition with Pillow for tile detection.
  - Tech:** Python, PyAutoGui, Pillow

## CERTIFICATES

- Cloud Computing (NPTEL)Nov'24
- Introduction to Generative AI (Coursera)Apr'24
- Data Structures and Algorithms (Coursera)Apr'24
- Excel Skills for Business (Specialization)Feb'24

## ACHIEVEMENTS

- Solved 150+ problems on LeetCodeJan'24
- Ranked in the Dean's top 10% of students at the universityFeb'24

## EDUCATION

- Lovely Professional University**  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 7.4*

Punjab, India  
Aug'22 - Present
- Kendriya Vidyalaya NSG Manesar**  
*Intermediate; Percentage: 89%*

Manesar, Haryana  
Apr'20 - Mar'21
- Kendriya Vidyalaya Kankinara**  
*Matriculation; Percentage: 86.6%*

Kankinara, Kolkata  
Apr'18 - Mar'19