

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 LeetCode

Jan’24
- Ranked in the Dean’s top 10% of students at the university

Feb’24

EDUCATION

- Lovely Professional University**

Punjab, India

Bachelor of Technology - Computer Science and Engineering; CGPA: 7.4

Aug’22 - Present
- Kendriya Vidyalaya NSG Manesar**

Manesar, Haryana

Intermediate; Percentage: 89%

Apr’20 - Mar’21
- Kendriya Vidyalaya Kankinara**

Kankinara, Kolkata

Matriculation; Percentage: 86.6%

Apr’18 - Mar’19