**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: 6.92 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*