


# Aakanksha Singh

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## BRIEF SUMMARY

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A detail-oriented individual proficient in C, C++, Python, CSS/HTML and well versed in object-oriented programming. Expanding my expertise in the realm of Machine Learning, and Computer Vision. Efficient in swift social communication, keen to learn new technologies, a quick learner and problem-solver describes me in a nutshell.

- **Skills:** C++; C; Python; Java; HTML; CSS; MySQL; MongoDB; Matlab; Vivado; Computer Vision; Machine Learning; Docker; Pandas; NumPy; Scikit-learn.

## PROJECTS

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### CRIME AND ANOMALY DETECTION

Aug 2023 – Present

*DenseNet121, VGG19, ResNet*

- Deploying a CNN model to discern the nature of criminal activities captured in CCTV footage across the country.
- Utilizing the model to determine states/areas with the highest recorded incidents of crime against Dalits and Women.
- Graphing our recorded findings with the help of ROC Curve and AOC, and a comprehensive report to visualize and analyze our findings.

### MUSAFIR: A Travel Agency Application

Jan 2021 – Apr 2021

*Python, MySQL, Python.MySQL Connector*

- Created with an aim to facilitate the pen-paper trip bookings, and provide an efficient way of storing and updating data.
- The frontal user interface was created in Python, and the data for so was stored in MySQL, exploiting the use of mysql.connector.
- **Users** can book a trip, update their existing trip, get receipts, and delete a trip or their account.
- **Admins** can view booking details, update itineraries, change prices and add hotels to the existing database.

## EDUCATION

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### The LNM Institute Of Information Technology

2021-2025

*B.Tech Communication and Computer Science*

CGPA: 7.72/10

- **Student Council Representative** in Semester 1. Was nominated by the HOD to be one of the only 2 student representatives in the **Board Of Studies**: assessment of current curriculum of the department, and recommending modifications if needed. It comprises external members, such as distinguished professors from IIT Delhi, IIT Jodhpur etc.
- **Coordinator** of the quizzing society: **Quizzinga** for the tenure 2023-2024.
- **Associate General Secretary** of the Science & Tech Council for the term 2023-2024.

## CERTIFICATIONS, SKILLS & INTERESTS

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- **Certifications:** Tata Crucible Campus Quiz (2022), India's largest business quiz: I represented my institution at a regional level in the cluster-final round. The round was live-telecasted on YouTube.
- **Interests :** Watching Anime; Reading Fantasy and True Crime; Reddit; Taking part in various inter Quizzing Competitions; [Content Writing and Graphic Designing](#).