

# Laksh Mittal

Portfolio: [laksh-1.github.io/resume](https://laksh-1.github.io/resume)

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## EDUCATION

- **Thapar Institute of Engineering and Technology** Patiala, India  
*Bachelor of Technology - Computer Science; GPA: 8.40*  
*August 2019 - Present*
- **Delhi Public School** Faridabad, India  
*CBSE - 12th; Percentage: 95.00*  
*April 2019*
- **Delhi Public School** Faridabad, India  
*CBSE - 10th; CGPA: 10.00*  
*April 2017*

## SKILLS SUMMARY

- **Languages:** C++, Python, JavaScript, SQL, Bash, R
- **Frameworks:** NodeJS, ReactJS, Scikit, OpenCV, TensorFlow, Keras
- **Tools:** MongoDB, GIT, MySQL-Workbench, MySQL, Photoshop
- **Platforms:** Linux, Web, Windows, Heroku, Arduino
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- **InnovationM** Remote  
*Student Developer (Intern)*  
*June 2022 - July 2022*
  - **Improved Form Structure with ReactJS:** Implemented dynamic option for changing number of field in a new employee form.
  - **Database Schema Updated:** Improved the database tables to remove data redundancy.
  - **Ratchet PHP WebSocket:** Implemented a WebSocket for low-latency real time exchange of posts and thread updates.
- **Backslash Computing Society** Patiala, Punjab  
*Design Head*  
*October 2019 - Present*
  - **Website Development:** Created society website for CTF events and team management, with MERN Stack.
  - **Digital Design:** Created 30+ designs for website, posters, banners etc. in Photoshop.
  - **Impact:** Organised events were attended by over 850+ students.

## PROJECTS

- **MaskUp - Mask Detector for Covid-19:** Detects faces on a live video stream and categorizing them on basis of presence and absence of face mask. Tech: Python, OpenCV, Keras, TensorFlow
- **BackslashTIET (CTF Event Management Web App):** Web App which allows a person to create account on the website and participate in CTF type event. At the backend it manages a live database, which logs the time and hints taken to reach the next stage. Tech: NodeJS, MongoDB, Express, EJS.
- **Traffic Analyzer - YOLO Object Detection:** Computer Vision based ML project. Detects vehicles on live video feed. Generates a detailed frame-wise graph of the detected objects. Tech: Python, OpenCV, YOLO, NumPy, Pandas
- **Flash Chat - A Quick Chat App:** A multi-user chat application made using Flutter and Google Firebase. Uses Firebase email authentication for signup and login. Tech: Flutter, Dart, Google Firebase
- **BackItUp - Backup All Data:** A Python bot which automates the task of backing up data to your google drive. Generates a log file for every action performed. Tech: Python, Google Data Services

## COURSES UNDERTAKEN

- Data Structures and Algorithms
- Object Oriented Programming
- Machine Learning
- Database Management
- Operating System

## CERTIFICATES

- HackerRank Problem Solving Certificate
- HackerRank JavaScript Certificate
- Backslash Design Head Certificate

## PROFILES

- Github: [github.com/laksh-1](https://github.com/laksh-1)
- GeeksForGeeks: [geeksforgeeks.org/user/laksh1/practice](https://www.geeksforgeeks.org/user/laksh1/practice)
- LeetCode: [leetcode.com/mittallaksh1/](https://leetcode.com/mittallaksh1/)
- LinkedIn: [linkedin.com/in/lakshmittal](https://www.linkedin.com/in/lakshmittal)