Laksh Mittal

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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 managment, 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 & ACHIEVEMENTS

- Backslash: Head of Design
- HackerRank: Problem Solving Certified
- HackerRank: NodeJS Intermediate Certified

PROFILES

- Github: github.com/laksh-1
- GeeksForGeeks: auth.geeksforgeeks.org/user/laksh1/practice
- LeetCode: leetcode.com/laksh1/
- LinkedIN: linkedin.com/in/lakshmittal