

# YASH KUMAR

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Linkedin

GitHub

LeetCode

GeeksForGeeks

## Education

### Delhi Technological University

August 2019 – June 2023

B.Tech (Mechanical Engineering with Minor in Machine Learning) CGPA: 8.35

New Delhi, Delhi

### Green Valley International Public School

May 2018 – June 2019

12th Class Percentage: 87.4%

New Delhi, Delhi

## Internships

### Coding Learning Platform

February 2023 – Present

Teaching assistant

Delhi, India

- Working as an online **teaching assistant** (TA) for a variety of DSA and competitive programming batches, resulting in the **resolution of over 400 questions**.
- Accounting for planning doubt sessions and keeping track of students' progress.
- Debugging and locating problems in student-written code and maintaining the average **rating of 4.8**.

### Delhi Technological University

June 2022 – August 2022

Research Intern

Delhi, India

- Led a team working on a computer vision-based project that can estimate the measurement of the entire body from an image.
- Recommended ways to improve efficiency, and quality of image processing with the concepts of image segmentation, contour detection and pixel per metric ratio.
- Reduced the error to the 1cm** and utilized the technologies involving Python, OpenCV, and Mediapipe.

## Projects

### N-Queen Visualizer | HTML, CSS, Javascript | Code

November 2022

- Created a project that can visualize the N-queen arrangement in the chess board and used Github to host the project.
- Employed data structure and **backtracking algorithm** to create the project.
- Used the web technologies like HTML, CSS, Javascript.

### Shopsee | HTML, CSS, Javascript | Code

October 2022

- Developed a **fully responsive e-commerce website** using HTML, CSS, Javascript and Deployed the website using Github.
- Created all the basic pages for shopping, reading relevant blogs, getting contact information, etc. with more than **1000 lines** of code.

### Movie Recommender System | Python, Pandas, Keras | Code

February 2022

- Built an ML-based solution that predicts or filters users' film interests based on their prior choices and behavior with **95% accuracy** using the implementation of **K-nearest neighbour algorithm**.
- Preprocessing entails merging datasets, modifying data columns, cleaning data, vectorization, and word stemming on the dataset of 5000 movies.

## Skills

- Languages:** C++, Python, Java, JavaScript, HTML, C, SQL.
- FrameWorks/Libraries:** ReactJs, Bootstrap, Tensorflow, Sklearn.
- Core Subjects:** Operating System, Database Management System, Object Oriented Programming.
- Tools:** VS Code, Jupiter Notebook, Git/Github, Heroku, Excel, MySQL.

## Achievements

- Solved more than **800** problems on **Leetcode** with **1850+** contest rating globally.
- Achieved Global Rank of 350 out of 5000 competitors in CodeStudio Contest.
- Achieved Global Rank of 583 out of 16000 competitors in Codechef Starter-40.
- Obtained Global rank of 1591 out of 20000 in Google Kickstart Competition.
- Obtained Rank of 1123 out of 20000 in IICC-Innovate India Coding Championship.
- Received a global ranking of 1800 out of 24000 competitors in the Leetcode Biweekly Contest.