

# Gaurav Jain

Sophomore, Department of Computer Science and Engineering  
Indian Institute of Technology, Delhi

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## Academic Qualifications

Year	Degree/Board	Institute	CPI/%
2019 - Present	B.Tech in Computer Science and Engineering	Indian Institute of Technology, Delhi	9.224/10
2019	CBSE (XII)	Gyan Ganga International Academy, Bhopal	94.4%
2017	CBSE (X)	St. Paul Sr. Sec. School, Bhopal	9.8/10

## Scholastic Achievements

- Secured **All India Rank 93** in **JEE Advanced 2019** among 161,000 candidates.
- Secured **All India Rank 213** in **JEE Mains 2019** among 1.15 million candidates.
- Selected for **KVPY Fellowship** by Dept. of Science & Technology, Govt. of India
- Selected for **National Talent Search Examination Scholarship** in 2017 by NCERT, New Delhi.
- Qualified **National Standard Examination in Chemistry** (NSEC) in the year 2018-19, being in the top 1% in country.
- Qualified **National Standard Examination in Astronomy** (NSEA) in the year 2018-19, being 2nd in the state.

## Technical Skills

- **Programming Languages:** Python, C, C++, Java, HTML/CSS
- **Software and Libraries:** Git, AutoDesk-Inventor

## Course Projects

- **Dynamic Memory Allocator** (November'20)  
Implemented Dynamic Memory Allocator using Doubly-Linked Lists, Binary Search Trees and Balanced Binary Trees (AVL Tree) in Java language for the course Data Structures and Algorithms.
- **Image Processing** (November'19)  
Implemented basic image processing techniques like Edge Detection, Average Filter and Minimum Energy Path in Python language for the course Introduction to Computer Science.

## Relevant Courses

Data Structure and Algorithms Computer Architecture*(ongoing) Introduction to Probability and Stochastic Process Discrete Mathematical Structures Signals and System*(ongoing) Calculus	Design Practices*(ongoing) Digital Logic and System Design Programming Languages*(ongoing) Introduction to Computer Science Introduction to Electrical Engineering Linear Algebra and Differential Equations
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## Online Courses

Neural Networks and Deep Learning (Coursera)	Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (Coursera)
Introduction to Data Science in Python (Coursera)	Statistical Data Visualization in Python (Coursera)

## Internships

- **Edvizo: Mathematics Expert** (May'20- June'20)  
Mentored students preparing for JEE Mains and Advanced and conducted doubt solving sessions via online mediums focusing mainly on improving problem solving skills of students in Mathematics.

## Positions of Responsibility

- **Project Representative, National Service Scheme (NSS), IIT Delhi** (June'20-Present)  
NSS is a social services organization that consists of students of IIT Delhi. I am a Project Representative in projects of NSS like Social Innovation Cell (SIC) and Science Seeds.

## Extra-Curricular Activities

- Worked as a volunteer in **BloodConnect**, a non-profit organization trying to make India blood sufficient.
- Worked as a **JEE Mentor** for four students for a non-profit initiative **Quaran-Teach** which had 300+ students across the country.