GAURAV JAIN

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Github: GAURAV-28

EDUCATION

Indian Institute of Technology, Delhi *July 2019 - Present*
Bachelor of Technology Department of Computer Science
CGPA: **9.224**

Gyan Ganga International Academy, Bhopal *May 2017 - May 2019*
Senior Secondary School CBSE
Percentage: **94.4%**

SCHOLASTIC ACHIEVEMENTS

Top 7% Merit Award in IIT Delhi: Awarded top 7% merit award in Second Semester, 2019-20 at IIT Delhi

JEE Advanced Rank 93: Ranked 93 amongst 161,000 candidates.

JEE Mains Rank 213: Ranked 213 amongst 1.15 million candidates.

KVPY Fellowship: Awarded KVPY Fellowship by Dept. of Science Technology, Govt. of India.

NTSE Scholar: Awarded NTS scholarship by NCERT in the year 2017 being amongst the top 1000 students across India.

NSEC: Qualified National Standard Examination in Chemistry(NSEC) in the year 2018-19, being in the top 1% in country.

NSEA: Qualified National Standard Examination in Astronomy(NSEA) in the year 2018-19, being 2nd in the state.

PROJECTS

Dynamic memory allocator *November 2020 - December 2020*
Prof. Rahul Garg (Course project- COL106)

- Created a system to perform dynamic memory allocation by implementing the following data structures in Java.
- Implemented a doubly linked list first and then a Binary Search Tree to allocate memory.
- Finally, made the implementation of the AVL Tree to allocate memory very efficiently.

Simple Image Processing using Python *October 2019 - November 2019*
Prof. Prem Kalra (Course project- COL100)

- Edge detection algorithm.
- Implementing an algorithm that finds a path from top of the image to the bottom which has the least energy.
- Averaging filter.

RELEVANT COURSES

Computer Science
Introduction to Computer Science, Data Structures and Algorithms, Discrete Mathematical Structures, Digital Logic and System Design, Programming Languages*, Computer Architecture*, Design Practices*

Mathematics and Electronics
Calculus, Linear Algebra and Differential Equation, Probability and Stochastic Processes, Introduction to Electrical engineering Engineering, Signals and System*, Number Theory*

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)

(* courses to be completed by May 2021)

TECHNICAL SKILLS

Languages: Python, C++, C, Java, CSS, HTML, VHDL

Framework: Autodesk Inventor, Git, LaTeX

Operating System: Windows, Ubuntu

INTERNSHIP

- **Edvizo: Mathematics Expert**   (*May 2020- June 2020*)
  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.

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.

POSITION OF RESPONSIBILITY

- **Project Representative, National Service Scheme (NSS), IIT Delhi**   (*June 2020-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.