

Prateek Sinha

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ACADEMIC DETAILS

Examination	Board	Institute	Year	CGPA/%
B. Tech.(mathematics)	IIT Delhi	IIT Delhi	2019-present	8.778/10
Grade 12th	CBSE	Khaitan Public School,Sahibabad	2018-19	96.8
Grade 10th	CBSE	Khaitan Public School,Sahibabad	2018-19	10/10

Scholastic Achievements

- All India Rank 244 in JEE Advanced and 1304 in JEE Main Examination out of over 1 million candidates.
- KVPY Scholar awarded to 0.1% students in India.
- NTSE Scholar awarded to only 1000 students out of the million who apply.

MAJOR PROJECTS

- **Dynamic Memory Allocator** (Course Project)
(Prof. Rahul Garg., Nov '20 - Dec '20)
 - A dynamic memory allocator to model memory allocation using DLL, BST and AVL Tree.GitHub: moonstruck1991/Memory-Allocator
- **Characters-and-relationships.** (Course Project)
(Prof. Rahul Garg., Dec'20 - Jan'21)
 - Helps to find average number of associated characters, ranking characters by appearances and number of independent storylines
 - This project is an application of Graph Theory and functions like DFS.GitHub: moonstruck1991/Characters-and-relationships
- **FoodTracker** (DevClub IITD hackathon)
(3rd position, Dec '19)
 - The Problem statement was to develop a web/android application using APIs
 - FoodTracker is a web application which helps you track your daily intake of different nutrients in order to control them and help you have a healthy lifestyle.
 - It uses the Nutritionix API to get the nutritional value for the different food you eat during the dayGitHub: webster-781/SERVERMONK

Relevant Courses

- **Mathematics** Discrete Mathematics, Linear algebra and Applications, Calculus, Linear Algebra and Differential equation
- **Computer Science** Data Structure and Algorithms, Introduction to Computer Science

Technical Skills

- **Languages** C++, Python, Java, R, JavaScript, C#
- **Software** TensorFlow (Keras), Git, GitHub, AutoCAD, MongoDB, Node.js, Express

INTEREST AND HOBBIES

- Playing Chess, Basketball
- Photography and Film Making