

Anshit Arya

3rd Year Undergraduate

Department of Computer Science and Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2019 - 2023	B.Tech, CSE	Indian Institute of Technology, Kanpur	7.9/10
2019	CBSE(XII)	D.A.V. Public School, Kota	93.6%
2017	CBSE(X)	D.A.V. Public School, Kota	10/10

Scholastic Achievements

- Secured an **All India Rank** of **1443** in Joint Entrance Exam Main 2019 among 1.1 million candidates.
- Qualified for **KVPY(Kishor Vaigyanik Protsahan Yojna)** and awarded fellowship in SX stream in 2018
- Awarded **NTSE(National Talent Search Examination)** Scholarship in the year 2017 conducted by **NCERT**

Projects

- Garbage Reporting App** | *Supervisor: Sunit Gautam, Alumni IITK* (Oct'20 - Apr'21)
 - Help cities to maintain cleanliness by fast-tracking the garbage reporting and collection process through an app.
 - To aid remote areas with lack of infrastructure and facilitate upvote on nearby complaints easily.
 - Built an app that assist users to share images stored in phone or by using camera and also the location of garbage sites.
 - Collaborated in a team of **20** people to deliberate the idea and implementation details of the app using **Flutter**.
 - Worked mainly on UI design of the app to improve the user experience and make it user friendly and convinient to use.
- Algo with maths** | *Stamatics, IIT Kanpur* (Apr'21 - jun'21)
 - Implemented some advanced data structures and algorithms such as graph algorithms and bit masking.
 - Studied mathematical algorithms such as Matrix and modular exponentiation, string hashing and euclidian algorithms.
 - Participated in practice contests put up by the project mentors as well as official rounds of various programming platforms.
- Game of Blocks(Block Chain)** | *Programming Club, IIT Kanpur* (Jun'21 - ongoing)
 - Learned the mechanism of **Blockchains**. Implemented Mining with the help of node and using **crypto** library of Js.
 - Implemented the smart contracts of loan and debt management in **Ethereum Virtual Machine** using **OOP** in **Solidity**.
 - Explored the mechanisms of **auctions and voting systems** and ways to implement them as smart contracts in **EVM**.
 - Acquired the knowledge about the concepts of **Game Theory** and its application in making smart contracts.
- Flutter App Development** | *Association for Computing Activities(CSE), IIT Kanpur* (Jan'20 - Mar'20)
 - Designed few UI applications with Flutter using Android studio(IDE) and Dart as the programming language.
 - Designed responsive and Adaptive User Interface for different types of android and iOS devices in all orientations.
 - Implemented Firebase as backend in flutter for different kinds of Authentication using mails, otp and Google Id.
 - Designed apps with native features like Camera, Maps, and location by fetching user coordinates and rendering Google map

Programming Achievements

- Secured a rank of **3996** in **Google Code Jam** 2021 Round 1-B among over 10,000 people participating in the round.
- Secured a rank of **2982** in **Google Kick Start** 2021 Round D among over 10,000 people participating in the round.

Technical Skills

- Language** : C, Python, Dart, HTML, CSS, C++, Android **Developer Tools** : Android Studio, Git, LibreCAD, L^AT_EX

Positions of Responsibility

- Organiser, Dance Events** | *Antaragni'21 Annual Cultural Festival, IIT Kanpur* (Jul'21 - Present)
 - Set to superhead a **3-tier** team of **15** secretaries to ensure smooth conduction of Dance events in 9+ cities.
 - Set to Introduce the event in 3 new cities and increased the event reach by 100 %.
 - Responsible for organizing the finale which will be attended by more than 5000 people.
 - Working on the marketing, event planning, media publicity for an efficient and well managed orgnisation of events.
- Flutter Project Mentor, Association for Computing Activities(CSE)** (Apr'21-Jul'21)
 - Mentored a group of **15** students through Flutter App Development by organising lectures and doubt solving sessions.
 - Conducted lectures on dart, firebase, basics of networking and designed weekly assignments for students to practice.
- Secretary, Media and Cultural Council** (Sep'20-Mar'21)
 - Contributed in conduction of freshers premiere for over **700** students of **Y20** batch for their smooth transition in college.
 - Conducted a online quiz for the participants by collaborating with different clubs and societies in the college.
- Secretary, Association for Computing Activities(ACA)** (Mar'21-Present)
 - Contributed in smooth conduction of sessions through virtual meetings for **120** students of CSE department.
 - Conducted an introductory session for students of CSE department of **Y20** batch ensuring smooth transition in branch.

- **Senior Executive Public Relations, Techkriti'21** *Annual Technical Festival, IIT Kanpur* (Oct'20-Mar'21)
 - Contacted to many professors of different colleges and universities and speakers across the country through mails and calls.
 - Worked with the heads and the team of around **30** students to raise exceptional participation in the event.

Relevant Courses (‡ iBHubs)

Data Structures and Algorithms Elementary Data Structures and algorithms ‡ Computer Organisation Mathematics for Computer Science(A)	Fundamentals of Computing Python and OOP Concepts ‡ Software Development and Operations
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Extra-Curricular Activities

- Secured an International rank of **102** in 2^{nd} Level of International Olympiad of Science (**IOS**) and grabbed a Special Achievement certificate, which was for top 200 Rankers.
- Secured National Rank **7** in DSL Maths Olympiad and awarded with Scholarship from the organisation.
- Got 90/100 marks in State merit List of State Talent Search Examination 2016.
- Counselling 30 class 12^{th} students towards science and technology careers as a part of IITK OpenHouse Diamond Jubilee Celebration.