

# Anshit Arya

3<sup>rd</sup> Year Undergraduate

Department of Computer Science and Engineering

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## Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2019 - 2023	B.Tech, <b>CSE</b>	Indian Institute of Technology, Kanpur	8/10
2019	CBSE(XII)	D.A.V. Public School, Kota	93.6%
2017	CBSE(X)	D.A.V. Public School, Kota	10/10

## 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**.
- 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.

## Projects

- Garbage Reporting App** | *Supervisor - Prof Ashutosh Modi* (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 convenient 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 and location by fetching user coordinates and rendering **Google maps**

## Relevant Courses

## \* Upcoming Courses

- Data Structures and Algorithms | Fundamentals of Computing | Computer Organisation | Introduction To Machine Learning\* | Probability for Computer Science | Software Development and Operations | Mathematics for Computer Science | Linear Algebra and ODE | Real Analysis and Calculus | Operating Systems\*

## Technical Skills

- Language** : C, Python, Dart, HTML, CSS, C++, Android    **Tools and Softwares** : Android Studio, Git, LibreCAD,  $\text{\LaTeX}$

## 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.
  - Working on the marketing, event planning, media and publicity for an efficient and well managed organisation of events.
  - Generating revenue of 10 lakhs through participation and collaborating with companies for dream ons worth 1.5 lakhs.
- 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.

## Extra-Curricular Activities

- Secured an International rank of **102** in 2<sup>nd</sup> Level of (**IOS**) and grabbed a Special Achievement certificate.
- 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(STSE)** 2016.
- Counselled **30** class 12<sup>th</sup> students towards science and technology careers as a part of IITK Diamond Jubilee Celebration.