PRIYANSH AGARWAL

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# Education

**Indraprastha Institute of Information Technology, Delhi Aug 2019 – Apr 2023**

Bachelor of Technology in Computer Science

**CGPA – 8.65 / 10**

**Delhi Public School R.K. Puram, Delhi Mar 2017 – Mar 2019**

Senior Secondary (Class XII)

**Percentage – 95.8** (Top 1 percentile in India)

# Experience

**YouTube Channel** [Link](https://www.youtube.com/c/PriyanshAgarwal) **Dec 2020 – Present**

* Running an educational YouTube channel on Competitive Programming and Data Structures and Algorithms to help beginners learn programming concepts that I myself had a hard time learning.
* The channel currently has over **26000+ subscribers** and **1.5 million views**.

**Problem Testing Intern at Relevel, Unacademy Jul 2021 – Present**

* Tested and verified the correctness of **500+** programming problems included in the all India hiring tests conducted by various tech companies on the [Relevel platform](https://relevel.com/).
* Designed an exhaustive set of test cases for each problem to detect crucial logical and runtime errors while evaluating any other solution submitted for the same problem.

# Awards and Achievements

* Received the **Dean’s Award** in **Technical Category** at IIIT Delhi which is given to only 1 student in college for the most exceptional performances in international technical competitions **2020-2021**
* [CodeForces](https://codeforces.com/profile/Priyansh31dec) : Maximum Rating – **2089 (Candidate Master)** | Solved over 1800 problems | **Top 110 in India**.
* [CodeChef](https://www.codechef.com/users/priyansh19077) : Maximum Rating – **2225 (6\*)** | Solved over 300 problems | **Top 500 in India**.
* Secured **India Rank 20** with **Honorable mention** in ICPC Asia Amritapuri Regionals [Certificate](https://drive.google.com/file/d/1A7tRrI0eaT0MLb-7O706VTFZVfDutijx/view) **Aug 2021**
* Secured **India Rank 64** with **Honorable mention** in ICPC Asia Gwalior-Pune Regionals [Certificate](https://drive.google.com/file/d/1ELZUlqM0sTw83K3hTsDuUlUTbQQoABoK/view) **Aug 2021**
* Secured **Global Rank 146** in Google Kickstart Round D (top 1.3%) [Certificate](https://drive.google.com/file/d/1vY4NIA_QSL3dXpt5AS1z5APbkHlQ-LWE/view?usp=sharing). **Jun 2021**
* Secured **Global Rank 183** in Google Kickstart Round C (top 1.5%) **May 2021**
* Secured **Global Rank 702** and **India Rank 51** in Google Hash Code **Feb 2020**
* Secured **Global Rank 28** and **India Rank 1** in Reply Challenge Team Optimization Contest **Mar 2021**
* Cleared CodeChef certified DSA Advanced Level Exam (CCDSAP) [Certificate](https://www.codechef.com/certificates/public/78e2570) **Aug 2020**

# Projects

**CodeForces Visualizer App** [GitHub](https://github.com/Priyansh19077/Codeforces-Viewer-App) **Mar 2021 – Present**

* Developed an android app in **Kotlin** that fetches the user information, rating changes, problems solved and contest details of any user on Codeforces (a competitive programming website).
* Retrieved the data using Codeforces API and **Retrofit** client in Android and displayed it in the form of graphs and charts using MPChartAndroid Library.

**Color Switch Game Clone** [GitHub](https://github.com/Priyansh19077/ColorSwtichClone) **Nov 2020 – Dec 2020**

* Developed a color switch game clone in **Java** using **JavaFx**.
* Added features like saving and loading games, endless gaming, and collision detection.
* Followed **Object Oriented Programming** design concepts and made **UML** and **Class Diagrams** before writing any code.

**Anti Cheating Rock Paper Scissors Gloves** [GitHub](https://github.com/aniansh19019/Anti_Cheating_RPS) **Aug 2019 – Sep 2019**

* Built a pair of gloves to detect the user’s choice of rock, paper or scissors and catch a cheater by finding the time difference between the turns of players. Used **Arduino** and Bluetooth sensors to receive the user’s input wirelessly.
* Used **Processing** Software for the user interface.

# Technical Skills

## Expertise Area

* Competitive Programming, Data Structures and Algorithms, Android Development, Object Oriented Programming

## Programming Languages and Technologies

* C / C++, Java, Python, Kotlin, Android Studio, Google Firebase, Git and GitHub, Linux, JavaFx, C++ Standard Template Library

## Technical Courses and Electives

* Data Structures and Algorithms, Analysis and Design of Algorithms, Number Theory, Operating Systems, Database Management Systems, Discrete Mathematics, Object Oriented Programming in Java, Computer Networks.

**Positions of Responsibility**

**Club Coordinator - FooBar, IIIT Delhi Apr 2021 – Present**

* FooBar is the Competitive Programming club of IIIT Delhi | Consists of only top 30 coders at IIIT Delhi.

## Teaching Assistant

* Competitive Programming 1 course, IIIT Delhi. **May 2021 – Jul 2021**
* Competitive Programming course, Coding Ninjas **Apr 2020 – Aug 2020**