

# Ayush Rastogi

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## EDUCATION

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- **Rajiv Gandhi Institute of Petroleum Technology** Jais, UP  
(An Institute of National Importance along the lines of IITs)  
Bachelor of Technology in Computer Science and Engineering; CPI: **8.76\*** Dec 2020 - Jun 2024
- **St. Francis Convent School** Bareilly, UP  
( Matriculation )  
**8.6 CGPA** April 2016 - May 2017
- **Padmawati School** Bareilly, UP  
( Intermediate )  
**95.4%** April 2018 - May 2019

## PROJECTS

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- **Be Social- Social Media App** | *React Native* — [Github](#) | [Download APK](#) | [Demo](#) 2022
  - Developed a social media application using the **MERN** stack (**MongoDB**, **Express.js**, **React Native**, and **Node.js**.) with Backend deployed on **Cyclic**
  - Utilized **React Native** for building a cross-platform mobile app.
  - Implemented **JWT**-based authentication for user login and **token** generation to maintain login sessions.
  - Implemented chat section using **socket.io**.
  - Incorporated **MongoDB** as the database for storing user data and **Express.js** for building the server-side RESTful API.
  - Post Management Feature including adding, viewing, deleting and commenting on other users' posts.
- **Go Bus Application** | *React Native* — [Github](#) | [Download APK](#) 2022
  - Developed a cross-platform mobile application which provides Live detection of the bus on **Google maps**.
  - Implemented using **Firebase** for admin authentication and **Firestore** to store the **Latitude**, **Longitude** of the bus and the details of the bus and the driver.
  - Admin can access the location of the bus and the location will display on the Map using **Google Maps API**.
  - Once a driver gets logged in using the Bus Number and the Password provided by the admin, the Latitude and Longitude of the driver will be updated every time in the **Firestore** as soon as the driver's location changes.
- **RGIPT Entry/Exit Database** | *Python, Tkinter and MYSQL* — [GitHub](#) 2022
  - Utilized **Tkinter** for the GUI design and **Python** for the back-end functionality.
  - Implemented a login and sign-up window for secure access to the database.
  - Designed a user-friendly main window for data entry, which allows for the creation, deletion, viewing, and searching of entries.

## SKILLS

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- **Areas of Interest:** Data Structures, Algorithms, Android
- **Languages:** C++, Python, C, SQL, HTML, CSS, JavaScript, JAVA
- **Tools:** MATLAB

## ACHIEVEMENTS

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- **3 Star** Rating on Codechef (**Max Rating: 1610**)
- Solved **150+** Competitive Problems on Codechef and Leetcode.
- Received School topper meritorious award by **INEXT** (May 2019) [Certificate](#)
- Awarded RGIPT Merit-Cum-Means Scholarship for the Top **10%\*** students in the CSE batch.
- Qualified IIT-JEE Advanced 2020, ranking in the top **1.84%**.
- Secured **2989th** rank among 27k participants in Facebook Meta Hackercup [Certificate](#)

## PROFILES

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- **Codechef** | —[Link](#) 2022
- **Leetcode** | —[Link](#) 2022