

# Sayak Mondal

## Indian Institute of Information Technology, Una

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[www.github.com/sayak22](https://www.github.com/sayak22)



## Education

Program	Institution/Board	%/CGPA	Year
<a href="#">B.Tech.</a> (Computer Science & Engg.)	Indian Institute of Information Technology Una, Himachal Pradesh	7.88/10	2020-2024
<a href="#">12th</a> (Computer Science)	Hem Sheela Model School Durgapur, West Bengal	83.8%	2019

## Experience

- 1. Fantasy Sports MyFab11 Pvt. Ltd.** [\[Certificate\]](#) January 2023 - May 2023  
(SDE intern / Mentor: Shew Shaw) Remote
  - Implemented **TrueCaller SDK**, reducing manual verification time by **40%** and increasing new user sign-ups by **25%**, boosting revenue.
  - Engineered a **backend-controlled tooltip system** using **MVVM (Model-View-ViewModel)** architecture, reducing code redundancy by **30%**, enhancing maintainability.
  - Launched a **rating feature** focusing on **user experience**, resulting in a **25% surge** in user engagement and a **10% boost** in overall app ratings.

## Projects

- 1. ExitPro** [\[Link\]](#) August 2023 - November 2023  
[XML, Kotlin, Node.js, Express.js, MongoDB], [GitHub](#) : [ExitPro Android](#) [GitHub](#) : [ExitPro Back-end](#)
  - Automated student entry and exit logging using **barcode-based logging**, boosting efficiency by **70%** and reducing wait times by **50%**, Applied **Retrofit** for API fetching and **RecyclerView** for log display.
  - Secured entries and exits, preventing unauthorized access, **Fingerprint authentication** increased accuracy to **95%**, and the **OTP based authentication** system reduced unauthorized attempts by **80%**.
  - Developed a **Node.js** and **Express.js** back-end with a **MongoDB Atlas** database, utilizing **Mongoose** for efficient data manipulation, reducing data access time by **30%**, Implemented modular, clean code with standard naming conventions, cutting debugging time by **40%** thereby enhancing maintainability.
- 2. Auto class join** [\[Link\]](#) January 2021 - February 2021  
[HTML, CSS, JavaScript], [GitHub](#) : [Auto Class Join Repository](#)
  - Developed an auto-redirecting class-joining website, directing users to their respective classes with one click, saving time up to **40%**.
  - Extracted data from an array containing the semester timetable. Fetched the time and day to identify the appropriate class for the current day and time.

## Technical Skills

- Programming Language:** C, C++, Java, Kotlin, JavaScript, Node.js, Express.js, SQL, MongoDB(NoSQL).
- Android:** XML, MVVM, Coroutines, Retrofit, Volley, View Binding.
- Relevant coursework:** Data Structures and Algorithms (DSA), Database Management System (DBMS), Object Oriented Programming (OOP), Operating systems (OS).
- Technologies & Frameworks:** Android Studio, VS-code, Git, GitHub, Postman, Linux, AWS(S3, Lambda, Cloud9, CloudCommit) Firebase(Dynamic Links), CRUD operations, RESTful API.
- Soft Skills:** Effective Planning, Teamwork, Communication, Leadership.
- Coding Profiles:** [CodeChef](#) Highest rating:1732, 200+ questions solved on [GeeksForGeeks](#) and [LeetCode](#).

## Achievements/Awards

- Secured **Global Rank 3449** among 10K+ participants in **Google HashCode 2022** [\[Certificate\]](#).
- Winner** of the annual inter-branch football tournament, **Yalgaar22**.
- Finalist in **Technizibition** at **Cognizance 2021**, the annual tech fest of **IIT Roorkee**. [\[Certificate\]](#)

## Positions of Responsibility

- Founded** and **led** the sports club of IIIT Una, **Zenith**, overseeing activities of 10+ sports. September 2023 - Present
- Endorsed 5+ **Microsoft** tech products as a student learn ambassador. [\[Certificate\]](#) July 2022 - June 2023
- Directed** IIIT Una's event club, **EPMOC** as a **secretary**, organising 5+ new events. December 2021 - October 2022
- Coordinated 10+ seminars and workshops as a **GeeksForGeeks** campus ambassador. [\[Certificate\]](#) June 2021 - May 2022
- Guided** 5 students in **Android development** at **SkillAbhidhuya**, a technical event hosted by the **FORCE** club, **IIIT Una**.