Sayak Mondal

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Education

Program	Institution/Board	%/CGPA	Year
B.Tech. (Computer Science & Engg.)	Indian Institute of Information Technology *Una, Himachal Pradesh*	**7.80/10**	2020-2024
12th (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 ⬀   **August 2023 - November 2023**

[XML, Kotlin, Node.js, Express.js, MongoDB],   🤖 *: Play Store* ⭘ *: Android* ⭘ *: 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 ⬀   **January 2021 - February 2021**

[HTML, CSS, JavaScript], ⭘ *: 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, Room Database, Live Data.

○ **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, 250+ 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**, an event hosted by the **FORCE** club, **IIIT Una**.

○ **Captained** the institute football team of **IIIT Una** at the **6th inter-IIIT sports meet 24'**.