

Sayak Mondal

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EDUCATION

Indian Institute Of Information Technology (IIIT), Una
Bachelor of Technology, Computer Science and Engineering

Una, Himachal Pradesh, India
December 2020 - June 2024

WORK EXPERIENCE

ProductStackArray (*SDE intern*) [[Certificate](#)] May 2024 - July 2024

- Implemented **AWS Lambda** functions to handle vendor details from the client-side front-end, enabling the **authentication of AADHAR, PAN, and GST** information through **Signzy services** for **15+ clients**.
- Designed a secure storage solution for authenticated vendor data in **AWS S3 buckets**, maintaining data integrity and meeting security standards, **reducing data breaches by 20%**.

MyFab11 (*SDE intern*) [[Certificate](#)] January 2023 - May 2023

- 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

ExitPro | *XML, Kotlin, Node.js, Express.js, MongoDB* 📱: [Play store](#) in: [Demo-Video](#) 🤖: [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.

Keeper App | *HTML, CSS, React.js, Node.js* 🌐: <https://sayak22-keep.netlify.app/> 🗄: [Github Repository](#)

- Developed a **MERN stack web application** for note-taking to enhance productivity.
- Utilized **local storage** to support **light and dark modes** for improved **UX**.
- Enabled **color customization** for notes, with features for **copying and editing**, implementing full **CRUD functionality**.

TECHNICAL SKILLS

Languages: C, C++, Kotlin, Python, JavaScript, Java.
Database: SQL, MongoDB (NoSQL).
Web Technologies: Node.js, Express.js, CRUD operations, RESTful API [Basic - HTML, CSS, React.js].
Android: XML, MVVM, Co-routines, Retrofit, View Binding, Room DB, Live Data, Dagger2/Hilt.
Developer Tools: Android Studio, VS Code, Firebase, AWS, Postman, Linux, GitHub, Git.
Relevant Coursework: DSA, DBMS, OS, OOP.
Coding Profiles: [CodeChef](#) Highest rating:1732, 300+ questions solved on [GeeksForGeeks](#) and [LeetCode](#).

ACHIEVEMENTS

- Secured **Global Rank 3449** among 10K+ participants in **Google HashCode 2022** [[Certificate](#)].
- Published** 1 app(s) on the **Play Store** [[Play Store developer profile](#)].
- Winner** of the inter-branch football tournament, **Yalgaar 22'**.
- Finalist in **Technizibition** at **Cognizance 2021**, the tech fest of **IIT Roorkee**, among 150+ participants [[Certificate](#)].

LEADERSHIP EXPERIENCE

- 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 20 22
- Mentored** 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'**.