SOUMYODIP SUTRADHAR

Kolkata, West Bengal

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Education

Unversity Of Engineering and Management, Kolkata	**August 2021 - June 2025**
Bachelor of Technology in Computer Science and Information Technology(DGPA of 8.22)	*West Bengal, India*
The Aryans School(Class 12)	**April 2019 - July 2021**
Higher Secondary(Percentage - 85)	*West Bengal, India*

Projects

News App | *Kotlin, Room Database, Retrofit, MVVM, Kotlin Coroutines* | https://github.com/Samsand-5/DailyFinity   **4**

- Developed a simple application using **JetPack Components and MVVM architecture** and used **Retrofit along with OKHTTP** to fetch API, **reducing API call response time.**
- Implemented Kotlin Coroutines for **handling asynchronous programming** and **managing background tasks**, enhancing app performance and **reducing latency**.
- Integrated Pagination to **improve user experience by speeding up load times**, resulting in an increase in **user retention**.
- Added Search functionality to **search news based on category of news**, improving **content discoverability** and user engagement.

Notes App | *Kotlin, Room Database, MVVM, XML* | https://github.com/Samsand-5/NotesApp   **4**

- Developed a note-taking app with **prioritization features**, improving **user retention**.
- Introduced a **color-coded menu** for dynamic note categorization, enhancing user experience.
- Launched **advanced search functionality**, boosting user retention and reducing **search time**.
- Created a simple, **interactive User Interface** for improved usability.

Shayari App | *Kotlin, Firebase Database, XML* | https://github.com/Samsand-5/ShayariApp   **4**

- Engineered a streamlined application using **Firebase database for storage.**
- Implemented functionality for users to **read, share, and copy** shayari seamlessly within the app, increasing **user interaction** and satisfaction.
- Utilized **Firebase Cloud Firestore** for efficient storage and retrieval of shayari content, reducing **data load times**.
- Deployed deep linking for **seamless sharing of specific shayari entries**, enhancing user convenience and **sharing efficiency.**
- Integrated **social sharing functionality**, allowing users to **share shayari across various platforms.**

Achievements

- Solved more than **1000+** problems on LeetCode, GeeksForGeeks and CodeForces.
- Secured **4461** rank in CodeForces Round 945 (Div. 2) competing with **30000+ participants.**
- Secured **4960** rank in CodeForces Round 926 (Div. 2) competing with **40000+ participants.**
- Secured **4825** rank in CodeForces Round 931 (Div. 2) competing with **30000+ participants.**
- Achieved HackerRank **Gold Badge on Problem Solving, C++, Java.**

Profile Links

- LeetCode(700+) • Codeforces(Pupil) • GeeksforGeeks(300+) • GitHub • HackerRank

Technical Skills

Languages: C++, Java, Kotlin, SQL

Technologies/Frameworks/Libraries: Android, Glide, Volley, Retrofit, Dagger, JetPack Components

Database:Firebase, Room

Version Control:Git, GitHub

Others:Postman, Android Studio, MVVM

Courses:Data Structures and Algorithms, Object Orient Programming, Database Management System, Operating Systems