Soumyodip Sutradhar

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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 8.33)	*West Bengal, India*
The Aryans School(Class 12)	**April 2019 - July 2021**
Higher Secondary(Percentage - 85)	*West Bengal, India*

Projects

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

• Designed and launched a note-taking app with **prioritization features**, enabling users to **categorize and prioritize notes by importance levels**, resulting in a **50% increase in user retention**

• Introduced a main menu with **three color-coded buttons (red, yellow, green) that, when clicked, dynamically display notes categorized by their priority level (high, medium, low), enhancing user experience and organization.**

• Developed and launched **advanced search functionality**, enabling users to efficiently query both titles and subtitles, resulting in a **45% increase in user retention and a 30% reduction in search time.**

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

• Engineered a streamlined application using **Firebase database for storage and real-time data updates.**

• Implemented functionality for users to **read, share, and copy** shayari seamlessly within the app, **increasing user interaction and satisfaction by 40%.**

• Utilized Firebase Realtime Database for **efficient storage and retrieval of shayari content, reducing data load times by 50%.** .

• Deployed deep linking for **seamless sharing of specific shayari entries,enhancing user convenience and sharing efficiency by 45%.**

• Integrated social sharing functionality **allowing users to share shayari across various platforms.**

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

• Developed a simple application using **JetPack Components and MVVM architecture and used Retrofit along with OKHTTP to fetch API, reducing API call response time by 35%.**

• Implemented Kotlin Coroutines **handling asynchronous programming and managing background tasks,enhancing app performance and reducing latency by 40%**

• Integrated Pagination to **improve user experience by speeding up load times,resulting in a 25% increase in user retention.**

• Added Search functionality to **search news based on category of news,improving content discoverability and user engagement by 30%.**

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