Nikhil Kumar

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📞 6201002265

📍 Hyderabad, India

🔗 linkedin.com/in/nikhil-kumar-6b60aa235

✍ GFG

🏆 LeetCode

GitHub

🎓 EDUCATION

M.Tech (Computer Science and Engineering)
National Institute of Technology Durgapur, West Bengal
08/2022 – 05/2024
7.6 CGPA

B.Tech (Computer Science and Engineering)
Ranchi University Ranchi, Jharkhand
08/2017 – 08/2021
7.8 CGPA

📄 CERTIFICATES

Programming in C++ ⧉
NPTEL: 8-week Course

Programming in C ⧉
NPTEL: 8-week Course

Core Java ⧉
Udemy

Android Kotlin ⧉
Udemy

Android Java ⧉
Udemy

🧠 SKILLS

Programming Languages:
C, C++, Core Java, Kotlin, Jetpack Compose

Web Technologies:
HTML, CSS, Javascript

Database:
MySQL, SQLite

Other:
Data Structures , DBMS, Operating System

Software Tools:
Eqlipse, Android Studio, Visual Studio Code, Postman

💼 PROFESSIONAL EXPERIENCE

VideoGate Technologies Pvt Ltd
Software Engineer
08/2024 – present | Hyderabad, India

- **Developed and implemented** comprehensive user activity tracking, capturing detailed user behavior and interaction data. Utilized **Periodic WorkManager** to automatically send aggregated event data to the server every 24 hours for analysis.
- **Integrated Google AdMob ads** (Banner, Interstitial, and Rewarded Ads) into an OTT Android app to drive monetization while maintaining an optimal user experience.
- **Implemented** video metadata fetching using **Retrofit** in a peer-to-peer video sharing feature, displaying descriptive details of published videos. Used **WorkManager** to sync publish/delete events when offline.
- **Optimized** server storage costs by applying **WebP compression** and downscaling thumbnail images before upload.
- **Worked with JSON Web Tokens** (JWT) for authentication and **JSON Web Encryption** (JWE) to ensure data privacy and integrity.
- **Resolved** various bugs and performance issues.

📁 PROJECTS

Expense Tracker App (Android, Kotlin)
- Developed a personal finance management app enabling users to record and track daily expenses.
- Followed **MVVM architecture** with **Data Binding** and **Flow** for clean, maintainable code.
- Used **Room Database** for local data storage and retrieval
- Added **week**, **month**, and **year filters** to help users view their spending summaries.

Github Search App
- Android App that allows users to search for GitHub profiles and view their repository.
- Used Kotlin, Jetpack compose, Retrofit

Key Agreement scheme using Elliptic Curve Cryptography for IOT-Based TMIS ⧉
- The Key Agreement Protocol for IOT-Based TMIS aimed at ensuring robust security and privacy in the transmission of sensitive medical data between patient and medical server.
- The project ensures the confidentiality, integrity, and authenticity of medical data exchanged over public network safeguarding patient privacy and preventing unauthorized access.

Responsive E-Commerce Website ⧉
- Developed a responsive and user-friendly user interface for an eCommerce website.
- HTML, CSS, and JavaScript is used to build and style the user interface.