

NITYAM KUMAR TIWARI

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SUMMARY

Final-year Computer Science Engineering student specializing in Android application development with expertise in **Java and Kotlin**. Built and deployed task management, music player, and real-time chat applications, leveraging SQLite, Firebase, and API integrations to deliver smooth user experiences. Skilled in DSA, OOPs, and scalable app architecture, with hands-on experience in UI design, REST API consumption, and background services. Passionate about creating impactful mobile solutions that combine performance, usability, and scalability.

EDUCATION

M.I.E.T. Meerut

B.Tech in Computer Science & Engineering

September 2022-Present

GPA:8.42/10

SKILLS SUMMARY

- **Languages:** Java, Kotlin
- **Database:** SQLite
- **Tools & Platforms:** Android Studio, GIT, GitHub, VSCode, Firebase
- **Fundamental Concepts:** DSA, Oops, OS
- **Soft Skills:** Critical Thinking, Problem Solving, Time Management, Teamwork.

PROJECTS

TASKMATE | [LINK](#)

- Engineered a lightweight Android task management application with offline capability, enabling users to efficiently organize and track daily activities.
- Integrated SQLite database for offline storage, enabling seamless data handling without internet.
- Delivered full CRUD functionality (create, read, update, delete) for comprehensive task management.
- Crafted a minimalist interface with custom components, enhancing usability and reducing navigation time.
- **Tech Stack:** Java, SQL, XML, SQLite, Android Studio, Git.

TUNEBOX | [LINK](#)

- Architected a feature-rich Android music player supporting both offline and online playback, increasing user flexibility.
- Built offline playback with notification-based media controls by accessing and filtering local storage.
- Leveraged Jamendo API to stream music, fetch album artwork, and dynamically display artist information.
- Orchestrated media sessions and background playback using Android MediaPlayer and service components.
- **Tech Stack:** Java, XML, Android MediaPlayer API, Jamendo API, Android Studio, Git, Gradle.

GENKY – Real Time ChatApp (Ongoing)

- Designing an Android chat application focused on delivering a smooth, real-time messaging experience tailored for Gen Z users.
- Implementing secure authentication with Firebase Authentication and Firestore for reliable message storage and retrieval.
- Creating modern UI features such as dark mode, emoji support, and image sharing to improve engagement
- Integrating push notifications via Firebase Cloud Messaging (FCM) to provide instant alerts for incoming messages.
- **Tech Stack:** Kotlin/Java, Firebase Authentication, Firestore, Firebase Storage, XML.

ACHIEVEMENT

- Led a team in the **Google Hack Heist Hackathon**, contributing to innovative Android development solutions.
- Earned the **Android Developer Certificate**, demonstrating proficiency in modern Android tools and frameworks.
- Volunteered with Bharat Shiksha, reaching **100+ students** through community learning initiatives.