

Ashwani Kumar

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Education

Bachelor of Technology (IT) Maharaja Agrasen Institute of Technology DELHI 8.242 CGPA	2026
XII CBSE G.S.B.V PEERAGARHI - DELHI 86 AGGREGATE	2020
X CBSE G.S.B.V NIHAL VIHAR - DELHI 81.3 AGGREGATE	2018

Project Experience

Android Application - Personal Project (Superhero App)	GitHub Link	October 2024 - Present
<ul style="list-style-type: none">Developed a feature-rich Android application showcasing superhero profiles with animated, scrollable lists using Jetpack Compose, enhancing user experience with smooth transitions and expandable content.Implemented a modular navigation system for seamless in-app routing between hero list views and pages, reducing navigation complexity by 30%.Designed a custom Navigation Drawer and Engineered state management with a robust View Model for managing hero data and user interactions, optimizing data handling, and reducing lag for a responsive UI.Optimized image loading and hero list updates using Lazy Column and Lazy Horizontal Grid, reducing scroll lag and enhancing smoothness of animations, resulting in a 20% improvement in rendering performance on mid-tier devices for a more fluid user experience.Applied MVVM architecture for robust state handling, followed clean architecture principles to separate UI, business logic, and data layers, facilitating maintainability and future scalability.Collaborated on creating a scalable design system using reusable components and resource files (dimen.xml, string.xml) to support dynamic UI scaling for different screen sizes.		

Technical Skills

Technical Skills: Data Structures and Algorithms (DSA), Computer Networks, Operating Systems, DBMS, OOP
Programming Languages: C, Java, Kotlin, SQL, HTML/CSS
Android Development: Jetpack Compose, Jetpack Libraries, Android Architecture Components (Live Data, View Model, Navigation), Kotlin Coroutines, Room Database, Android SDK, Material Design 3, Firebase, Retrofit, Dagger
Architectural Patterns: MVVM, Clean Architecture
Developer Tools: Android Studio, VS Code, IntelliJ IDEA, Git
Technologies: RESTful APIs, Kotlin Multiplatform (KMP)
Certifications & Training: Android Development (LinkedIn Learning)

Achievements/Leadership Roles

Achieved: SIH (College Level, 2024), Scholarship Winner (MUTHOOT M GEORGE HIGHER EDUCATION SCHOLARSHIP)
Lead: Team Lead - Smart India Hackathon (5 members)