

# NARENDRA KUMAR

Uttarakhand, India

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## Experience

### Software Developer Intern

March 2025 – Present

Waste Samaritan

Bengaluru, Karnataka, India

- Devised a **session timeout** mechanism, mitigating **unauthorized access** attempts by **60%+** within **2 weeks**.
- Created **offline support** via **Room**, ensuring **100% data access** offline and **99.9% sync accuracy** with **AWS**.
- Developed **QR scanner** with **pattern validation**, blocking **95%+ invalid scans** and ensuring **100% accuracy**.
- Integrated **image capture & compression** to **AWS S3**, improving upload speed by **80%+** and reducing storage costs by **50%+**. Deployed **geofencing** with **Google Maps SDK**, boosting user engagement by **40%**, accuracy by **98%**.

### Android App Developer

November 2024 – December 2024

Advance Technology System

Delhi, India

- Maintained and modernized **Android projects** for **5+ clients**, updating deprecated code and ensuring **99% uptime**.
- Activated **10+ features**, enhancing app functionality, including **Bluetooth printing**, cutting setup time by **30%**.
- Executed **responsive updates** with **Java** and **XML**, boosting efficiency by **20%** and enabling **50%+ scalability**.

### Android App Developer

March 2024 – September 2024

ActivePresence Orbol Groups

Ahmedabad, India

- Transformed **Figma designs** into responsive **Android interfaces**, enhancing user experience by **90%**.
- Crafted APIs for **real-time data sync**, elevating **data accuracy**, strengthening **backend connectivity** by **99%**.
- Designed **calculation models** for key **features**, ensuring **100% accuracy** and **smooth functionality**.
- Minimized **app error rates** by **68%+** through extensive **testing** on diverse **Android devices**.

## Projects

### Pokedex | Jetpack Compose, Kotlin, MVVM Architecture, Dagger Hilt | Link

March 2025

- Spearheaded a **scalable Pokédex** app with **MVVM** and **Jetpack Compose**, boosting **UI performance** by **75%+**.
- Implemented **Retrofit** for **real-time Pokémon** data, reducing **fetch time** by **60%+**.
- Optimized **Pokémon list** with **pagination**, enhancing **load speed** by **50%+**.
- Revamped **Pokémon detail views** with **gradients**, elevating **engagement** by **89%+** and **speed** by **70%+**.

### Running Tracker | Kotlin, MVVM Architecture, Dagger Hilt, XML | Link

August 2024

- Constructed a **Running Tracker** app on **MVVM**, cutting **code complexity** by **70%+** and ensuring scalability.
- Boosted in-app **flow efficiency** by **50%** using **Navigation Components** for **smooth fragment transitions**.
- Reduced code** by **45%+** with **Dagger-Hilt**, streamlining **run management** via **Room** and **coroutines**.

### News App | Kotlin, XML, MVVM Architecture | Link

June 2024

- Delivered a modular **News application** with **MVVM**, improving **maintainability** by **50%**.
- Leveraged **Retrofit** to **fetch live news**, boosting **real-time content** delivery by **70%+**.
- Refined **fragment transitions** using **Navigation Components**, improving **UX fluidity** by **70%+**.
- Streamlined **news storage** using **Room** and **Kotlin coroutines**, boosting **data handling** efficiency by **89%+**.

### Video Verse | Java, XML | Link

September 2023

- Conceptualized **Video Verse**, improving video **access speed** by **80%+** across **internal** and **external storage**.
- Instituted **multi-theme** support, **sorting**, and **search**, enhancing **UI/UX** by **90%+**.
- Introduced **rename**, **delete**, **share**, and **video detail view** features, **boosting functionality** by **70%**.
- Elevated **content flexibility** by **90%+** through **audio/subtitle** toggling and seamless **picture-in-picture** playback.

### SMU | Java, XML, Firebase | Link

August 2023

- Launched Surajmal University's **SMU**, increasing **student support** efficiency by **70%+** with **ChatGPT** integration.
- Achieved **80%+ faster** data retrieval through **Room**, **Firebase**, and advanced **Cache Management**.
- Eliminated repeated logins**, boosting **user experience** by **60%+** through **authentication** and **session control**.
- Conceived an **Admin Panel**, accelerating **real-time database management** by **90%** with **push notification**.

## Technical Skills

**Languages:** Java, Kotlin, Python, C/C++, XML

**Libraries:** Jetpack Compose, Dagger Hilt, Firebase, Compose Navigation, Volley, Retrofit, Room Database, ExoPlayer

**Tools/Technologies:** Android Studio, Rest APIs, Github, Authentication, Cache Management, AWS

## Education

### Surajmal University

September 2022 - August 2025

Bachelor of Computer Applications

Uttarakhand, India