

Full Stack Developer with a strong foundation in Android and cross-platform development, experienced in building scalable applications using Kotlin, React, Node.js, and Firebase. Proven ability to modernize legacy systems, optimize backend integrations, and improve UI/UX experiences across mobile and web platforms. Delivered high-impact solutions during co-op at Escrow Infotech, achieving a 25% boost in performance and 45% QA bug reduction. Passionate about solving real-world problems using clean architecture (MVVM), CI/CD, and Agile methodologies. Seeking to contribute to fast-paced engineering teams building enterprise-grade apps.

TECHNICAL EXPERIENCE

Android Developer (Coop)

Escrow Infotech

Surat, India

Jan 2024 – Apr 2024

- Modernized a legacy Android app using MVVM, Jetpack Compose, and Kotlin, reducing technical debt by 35% and enabling faster enterprise feature rollout.
- Optimized Firebase and REST API integration, improving sync speed by 25% and reducing load failures across 1K+ users.
- Built automated Espresso and JUnit test suites, cutting QA bugs by 45% and improving release confidence.
- Partnered with cross-functional teams (design, QA, backend) to improve onboarding UX, reducing user drop-off by 20%.

SKILLS

Languages & Frameworks:	Java, Kotlin, JavaScript, Python, React, Jetpack Compose, Node.js
Databases & APIs:	Firebase, MySQL, REST APIs, Room, Retrofit
Tools & DevOps:	Android Studio, VS Code, Git, GitHub, Docker, Firebase CI/CD
Design & Testing:	Figma, Material UI, JUnit, Espresso, Crashlytics
Methodologies:	MVVM, MVC, Agile, CI/CD, SDLC

PROJECTS

AI-ML Based Smart Online Examination Framework

AI-ML Smart Exam (Github)

- Built a secure AI-powered online exam platform integrating DeepFace facial recognition to address identity spoofing; increased verification accuracy by 50% and reduced manual monitoring efforts.
- Automated proctoring workflows using ML models to eliminate real-time invigilation challenges; enhanced exam integrity while minimizing examiner workload.
- Designed a responsive frontend using HTML5/CSS3 to ensure cross-device compatibility, resolving UX inconsistencies and improving platform accessibility.

Buddiesgram – MVVM Java Social Media App

Buddiesgram (Github)

- Built a full-featured social media app in Java with Firebase backend, supporting real-time posts, likes, comments, and user profiles.
- Engineered a friend request and secure messaging system, restricting chats to mutual connections for privacy and control.
- Leveraged Firebase Auth and Realtime Database to deliver seamless sign-in and dynamic data updates across users.
- Applied Material Design, ViewModel, and LiveData to build a responsive, scalable interface with smooth UI state handling.

InBriefs News App

InBriefs News App (Github)

- Built a personalized news feed with React Native and RESTful APIs, addressing challenges in optimizing data transfer and resolving latency issues, resulting in smoother content loading and higher user engagement.
- Integrated Firebase for interactive features like liking and sharing, leveraging Postman for effective data transfer testing, and improving user retention through a streamlined backend process.
- Enhanced backend processes to handle real-time updates efficiently, enabling users to interact seamlessly with dynamic content.

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## Achievelt – MVVM Kotlin App for Productivity Wellness

[Achievelt \(Github\)](#)

- Developed a productivity app in Kotlin using MVVM architecture, enabling users to track goals, sleep patterns, and notes through an intuitive dashboard.
- Implemented a custom SQLite database with SQLiteOpenHelper for offline-first task persistence and local note storage.
- Integrated Firebase Authentication and Firestore for secure login and remote data sync across devices.
- Utilized Jetpack components including DataStore, Navigation Component, ViewBinding, and RecyclerView to ensure a scalable and crash-free UX.

## Weather Forecast App

[Weather App \(Github\)](#)

- Designed an application to provide accurate and up-to-date weather data by efficiently integrating APIs, tackling real-time data retrieval challenges, and ensuring users receive reliable information.
- Streamlined continuous weather updates for user convenience by resolving latency issues and optimizing data retrieval processes, enabling accurate planning.
- Enhanced user satisfaction and decision-making by addressing performance challenges and delivering hassle-free access to forecasts.

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## EDUCATION

### Fanshawe College

Post Graduation Diploma - Mobile Application Development

**Courses:** Android Application Development, iOS Development, Progressive Web Applications, Cross-platforms, UI/UX Design

**London, Ontario**

Jan 2023 – May 2024

### University of Mumbai

Bachelor of Engineering - Information Technology

**Courses:** Database Management, Operating Systems, Data Structure and Algorithms, Cryptography and Network Security.

**Mumbai, India**

Jun 2018 – May 2022

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## CERTIFICATIONS

AWS DevOps Engineer	AWS Training and Certification	Jul 2023
Android Nougat Mobile Apps Training	Educba	Jul 2022
Google IT Support Professional Certificate	Coursera	Jul 2022

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## PUBLICATIONS

### AI-ML Based Smart Online Examination Framework

[Paper Link](#)

Apr 2022

Springer, Cham

- Online examinations are conducted on mobile devices or laptops instead of paper. AI-ML-based frameworks aim to reduce malpractices by continuously detecting candidates using webcams. This system performs automated proctoring, minimizing the examiner's effort and enhancing the exam's integrity.