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Keval Shetta
Full Stack Developer

Portfolio: kevalshetta.com
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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.

AchieveIt – MVVM Kotlin App for Productivity Wellness

AchieveIt (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.

EDUCATION

Fanshawe College   **London, Ontario**

Post Graduation Diploma - Mobile Application Development   Jan 2023 – May 2024

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

University of Mumbai   **Mumbai, India**

Bachelor of Engineering - Information Technology   Jun 2018 – May 2022

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

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

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.