

MOHIT GUJARATI

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"Android Developer with expertise in Kotlin, Jetpack Components, and Firebase, complemented by basic knowledge of React Native. Experienced in building scalable mobile apps with optimized UI/UX and efficient backend integration. Passionate about AI-powered features in mobile development and delivering high-performance solutions."

EDUCATION

Long Island University, Brooklyn Master of Science in Computer Engineering Coursework: Artificial Intelligence, Pattern Recognition, Python, DSA, System Design	2024– 2026 New York, USA
Shankersinh Vaghela Institute of Technology Bachelor of Engineering in Computer Engineering Coursework: Java, Object-oriented programming, Data Structures and Algorithms	2016 – 2020 Gujarat, India

SKILL

- Programming Languages:** - Kotlin, Java, Python, JavaScript, TypeScript.
- Android Development:** - Rest APIs, Native Android, React-Native, Android Jetpack-Components, Material Design, Coroutines, Jetpack Compose.
- Databases:** SQLite, Realm, Room database, Google Firebase Database (NoSQL), MySQL, SQL.
- Tools and Methodology:** - Retrofit, OpenCV, NumPy, GitHub, Rest APIs, JSON, MVVM, MVP, SOLID Principles.
- Achievements & Articles:** - On-campus Google developer group member, Python-IBM certificate, Java, Kotlin, SQL, LinkedIn certificate, Article on Microservice and Distributed Systems.

PROFESSIONAL EXPERIENCE

Software Developer TNM Software Solutions Pvt Ltd.	May 2023– June 2024 Gujarat, India
<ul style="list-style-type: none">Engineered Android applications using Kotlin and Android SDK, integrating advanced features like motion sensors, geocoding, and geofencing to enhance location-based functionality.Boosted app performance by 50% by implementing modern development practices, resulting in a smoother and more efficient user experience.I collaborated with Back-End and Test engineers, forging effective communication with various cross-functional teams. This experience improved our project results and significantly sharpened my interpersonal skills in a collaborative setting to streamline the mobile and web app development using Native Android technology, React-native, and React, resulting in 4 production-ready applications delivered within tight deadlines over eight months.Designed adaptable layouts for mobile and web platforms using Android, React, and React Native, ensuring seamless user experiences across devices.	
Android Developer Trainee Tops technology. Inc.	May 2022– May 2023 Gujarat, India
<ul style="list-style-type: none">Developed and launched full-stack native mobile applications using Kotlin, delivering key features that increased user satisfaction and engagement, while effectively designing and implementing targeted database solutions and optimizing API integrations for enhanced performance.	

PROJECTS -[Github](#)

TwiniAI:- Key Technology: Kotlin, jetpack components, Room, firebase Authentication, material design, MVVM
<ul style="list-style-type: none">Developed an AI-driven meeting assistant app enabling real-time voice transcription and automated summaries, leveraging Gemini AI, Google Speech API, and Room Database.Used Kotlin Coroutines, Live Data, Motion Layout, and MVVM to optimize app performance and maintenance. Moreover, increased user efficiency by 70% through instant AI transcript chat and inbuilt meeting tracking. Additionally, while users are online, the AI enhances the transcript and provides a summary of the meeting.Attained exceptional audio-to-text accuracy in both online and offline modes, providing users with seamless offline access while enhancing privacy and reliability.
Fleet Tracker:-Key Technology: Kotlin, jetpack-components, Realm, Google Maps, Geocoder, Geofences, Motion sensor, S.O.L.I.D,JVM
<ul style="list-style-type: none">Developed an Android app featuring real-time fleet location tracking with Google Maps integration, utilizing geofencing to trigger location-specific actions.Used Kotlin Coroutines, Live Data, Motion Layout, and SOLID principles to optimize app performance and maintenance by 40%.Integrated Motion sensors for incident detection enhance the app's safety detection feature.Employed Realm Database for secure storage of safe-zone points, travel history, and user activity, enabling efficient data retrieval and analytics.
InEvents:- Key Technology: Kotlin, Firebase database, Firebase notification, SQLite, PHP,JVM, MySQL, Retrofit, Material design, MVVM
<ul style="list-style-type: none">Designed, engineered, and launched a student event management system, deployed on the Google Play Store, which gained a steady user base of 200 daily active users and over 500+ total downloads.Integrated Google Maps for easy event location tracking, streamlining registration processes for university events. Leveraged Firebase Firestore and MySQL for efficient backend data management, achieving 100% paperless event registrations.Enhanced event visibility by adding custom markers and a detailed page on Google Maps.Implemented real-time updates through Firebase Notifications and secure authentication. After graduation, the app was decommissioned and removed from the Play Store because it was no longer updated and maintained.
Face detection web app:- Key Technology: Python, OpenCV, NumPy, Flask, JSON, S.O.L.I.D.
<ul style="list-style-type: none">Developed a Face Detection System with 95% accuracy utilizing OpenCV's Haar Cascade Classifier to detect faces in images, with robust annotation management using JSON for saving and updating face detection data. Implemented Performance Evaluation Metrics, including precision, recall, and Intersection over Union (IoU), to assess detection accuracy and provide numerical and visual feedback on detection performance.Automated Dataset Processing by handling multiple images, drawing bounding boxes around detected faces, saving results with annotations, and creating an output folder for further processing Like adding emojis or filters in a particular face matrix.