MOHIT GUJARATI

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I am a master's student in computer science with a passion for Android development and front-end design. I am seeking a summer internship to create innovative, user-focused solutions.

Education

Long Island University, Brooklyn — **2024– 2026**
Master of Science in Computer Engineering — *New York, USA*
Coursework: Python, System Design, DBMS, computer network, operating system

Shankersinh Vaghela Institute of Technology — **2016 – 2020**
Bachelor of Engineering in Computer Engineering (CGPA – 7.32/10.0) — *Gujarat, India*
Coursework: Java, Object-oriented programming, operating system, Data Structures and Algorithms

Skills

Programming Languages: Kotlin, Java, Python, JavaScript, Typescript.
Android Development: Rest APIs, android jetpack components, Material design, Coroutines, Jetpack Compose.
web development: HTML, CSS, React, React-native, Bootstrap.
Databases: SQLite, Realm, Google Firebase database, phpMyAdmin, MySQL.
Libraries and Tools: Retrofit, GitHub, Glide, Viewpager2, geocoder, geofence, Firebase Cloud Messaging, Lottie, Paging 3.

Experience

Software developer — May 2023 – June 2024
TNM Software Solutions Pvt Ltd. — *Gujarat, India*
- Developed and maintained Android apps using Kotlin and Android SDK, integrating motion sensors, geocoder, and geofence for location-based functionality across devices.
- Enhanced legacy code to improve performance and added new complex features such as location-based notification, distance-wise customized updates, fleet tracking, and efficiently implemented real-time updates using coroutines for seamless simultaneous updates at multiple places in the app enhancing useability, resulting in a 50% improvement in app performance. while collaborating with cross-functional teams for high-quality production-ready apps.
- Developed a travel website UI using React and built time-blocking and billing app UIs in React Native, delivering optimized, production-ready code with positive user feedback.

Android developer trainee — May 2022 – May 2023
Tops technology. Inc. — *Gujarat, India*
- Acquired proficiency in developing full-stack native mobile applications using Kotlin.
- Learned to work with different databases according to the project's needs and implemented various types of application programming interfaces to achieve project requirements.
- Applied user interface concepts to achieve a better and more consistent user experience across the app.

Projects

Flare clone | Kotlin, Android architecture components, Realm database, Google Maps, Geocoder, Geofences Motion sensor
- Developed an Android app with a dynamic, responsive UI using the latest SDK tools, combining MVC and MVP for a modular and adaptable codebase.
- Integrated Google Maps for real-time location tracking, triggering actions based on distance using geocoder and geofencing, and using motion sensors for incident detection.
- Used Realm as the primary database for storing safe-zone points, travel locations, and history, leveraging geofences for location-based features.

InEvents | Kotlin, Firebase database, Firebase notification, SQLite, Php, MySQL, Retrofit, Material design, MVVM
- Designed and developed a student event management system with Google Maps integration, allowing university admins to oversee event bookings.
- Implemented Firebase Firestore for backend processes and MySQL for managing events and purchase data, achieving 100% paperless registration.
- Integrated Firebase notifications for real-time updates and secure Google Authentication for login and sign-up.

Speces | Kotlin, java, Room, SQLite, Material design
- Developed an Expense Manager app enabling users to track and categorize expenses with custom and predefined categories. Implemented detailed reporting features, including spending pattern insights and analysis using charts and progress bars Integrated budget tracking functionality to help users set limits and monitor their spending against budgets.