

# Mohit Gujarati

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"Enthusiastic developer eager to secure a summer internship where I can leverage my mobile and web development skills to contribute to innovative and exciting projects"

## Education

<b>Long Island University, Brooklyn</b> <b>Master of Science in Computer Engineering (GPA -4.0/4.0)</b> Coursework: Python, DSA, System Design, DBMS, computer network, operating system	<b>2024– 2026</b> New York, USA
<b>Shankersinh Vaghela Institute of Technology</b> <b>Bachelor of Engineering in Computer Engineering (CGPA -7.32/10.0)</b> Coursework: Java, Object-oriented programming, Artificial Intelligence, Data Structures and Algorithms	<b>2016 – 2020</b> Gujarat, India

## Skills

- Programming Languages:** - Kotlin, Java, Python, JavaScript, Typescript, PHP.
- Android Development:** - Rest APIs, Native Android, React-Native, Android Jetpack-Components, Material Design, Coroutines, Jetpack Compose.
- Web development (Basic):** - HTML, CSS, React, Flask, Bootstrap.
- 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.

## Experience

<b>Member</b> <i>Long Island University, Brooklyn.</i> <ul style="list-style-type: none"><li>Member of Google developer group and Artificial intelligence group on the university campus.</li></ul>	<b>Dec 2024– Present</b> New York, Brooklyn
<b>Software developer</b> <i>TNM Software Solutions Pvt Ltd.</i> <ul style="list-style-type: none"><li>Engineered Android applications using <b>Kotlin</b> and <b>Android SDK</b>, integrating advanced features like motion sensors, geocoding, and geofencing to enhance <b>location-based functionality</b>.</li><li><b>Boosted app performance by 50%</b> by implementing modern development practices, resulting in a smoother and more <b>efficient user experience</b>.</li><li><b>Collaborated</b> with <b>designers, Back-End engineers, and Testers</b> to streamline the mobile app development process, resulting in <b>4 production-ready applications</b> delivered within tight deadlines <b>over eight months</b>.</li><li><b>Designed adaptable layouts</b> for mobile and web platforms using Android, React, and React Native, ensuring seamless user experiences across devices.</li></ul>	<b>May 2023– June 2024</b> Gujarat, India
<b>Android developer trainee</b> <i>Tops technology. Inc.</i> <ul style="list-style-type: none"><li>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.</li></ul>	<b>May 2022– May 2023</b> Gujarat, India

## Projects

- Fleet Tracker** / *Kotlin, Android architecture components, Realm, Google Maps, Geocoder, Geofences Motion sensor, S.O.L.I.D*
- Developed an Android app featuring real-time fleet **location tracking** with Google Maps integration, utilizing geofencing to **trigger location-specific actions**.
  - Motion sensors** were incorporated for **automatic incident detection**, enhancing the app's safety and utility features.
  - Employed **Realm Database** for secure storage of safe-zone points, travel history, and user activity, enabling efficient data retrieval and analytics.
- InEvents** | *Kotlin, Firebase database, Firebase notification, SQLite, Php, MySQL, Retrofit, Material design, MVVM*
- 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**.
  - 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.
- Face detection web app** / *Python, OpenCV, NumPy, Flask, Json Module, S.O.L.I.D.*
- Developed a Face Detection System** 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.
- Travel website** / *React & React-native, JavaScript, HTML, CSS, Tailwind, Bootstrap Typescript, JSON, S.O.L.I.D.*
- Designed and developed a **high-performance travel website** using React, TypeScript, JavaScript, HTML, CSS, and Tailwind CSS, delivering an intuitive and visually appealing user interface.
  - Implemented **smooth animations enhancing user engagement**. Reduced the codebase by approximately **800 lines** by creating a **reusable UI class** that automated the design process, enabling other components to efficiently generate **consistent UI elements**, significantly enhancing maintainability, scalability, and readability.