

Vishal Thawani

Android developer

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🏠 Ahmedabad, India

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Areas of Expertise

Areas of Expertise - Android Development (Kotlin) - Flutter Development - Firebase Integration - API Development and Integration - Kotlin Multiplatform - Data Security - Data Structures and Algorithms (DSA) - Object-Oriented Programming (OOP)

Professional Experience

Android developer [Kotlin], fontawesome5 xcolor ([Injala](#)) **Ahmedabad** Jan/2024 - present

- Enhanced user engagement by implementing multiple high-quality features in the "Asuretify" app.
- Designed intuitive and user-friendly UI using XML and Kotlin for better client experience.
- Developed seamless API integrations to process and manage user input data effectively.
- - Integrated Google Firebase for user authentication, data storage, and real-time synchronization.
- Collaborated with cross-functional teams to translate business requirements into robust app functionalities.
- Worked closely with product management to translate business requirements into robust app functionalities.
- Developed multiple high-quality fractures for the "Asuretify" app to enhance user engagement and experience.

Flutter Developer Intern, fontawesome5 xcolor ([Sparks to idea](#)) **Ahmedabad** Jun/2023 - July/2023

- Assisted in developing the front end of mobile applications for iOS and Android using Dart and the Flutter framework.
- Developed UI and backend for 3 apps using Dart, Flutter SDK, and Firebase.
- Managed user input data across multiple platforms using Google Firebase for web and mobile apps.
- Utilized Android Studio for visualizing applications on both iOS and Android platforms.
- Implemented Flutter's state management techniques.
- Instagram - [@freelancervis – internship certificate](#)

Projects

Asuretify Mobile Application fontawesome5 xcolor

- Contributed to the development of the "Asuretify" Android mobile application using Kotlin, enhancing user engagement and experience.
- Designed and implemented user-friendly interfaces (UI) with XML and developed backend functionalities in Kotlin.
- Integrated REST APIs to process user data, ensuring seamless interactions within the app.
- Collaborated with cross-functional teams to translate business requirements into robust application features.
- Developed multiple high-quality features, including secure data handling and improved app performance.
- Utilized Android Studio for development, testing, and visualization on the Android platform.

Voicer App fontawesome5 xcolor

- Designed and developed an innovative voice-command application enabling users to control home appliances such as fans, lights, and other IoT devices via voice inputs, enhancing accessibility and user convenience.
- Implemented a robust audio processing pipeline to convert MP3 voice recordings into WAV format, ensuring compatibility with Python-based voice recognition libraries for accurate command interpretation.
- Developed backend functionalities using FastAPI, hosting APIs on Amazon AWS for scalability and low-latency data processing.
- Upon successful voice recognition, transformed spoken commands into actionable text, which was then sent via APIs to a cloud-based application for execution.
- Integrated Firebase to securely store the processed commands, allowing seamless synchronization and retrieval by connected IoT devices for real-time action. Leveraged advanced Python libraries and frameworks for voice recognition, enabling a high degree of accuracy and reliability in command execution.
- Instagram - [@freelancervis](#)

Music play, blue bus, plant shop during internship fontawesome5 xcolor

- Spotify–user authentication, fav play list, types of songs, latest and old songs also last listen and current playing songs pages are made, user can add song to play list, fav song, and all.
- Blue Bus– Registration and login functionality with email and phone authentication Profile setup to fill user data and manage bus booking , Ticket details screen with complete information about bus, route , time ,date tec.
- Implemented Firebase Authentication, Firestore, Cloud Functions, Firebase Storage, and Firebase Cloud Messaging.
- Plant shop– Login authentication, product screen with different plants and its prices and other details, checkout page, search bar, bottom navigation bar, scrollable widgets and other functions which makes it user friendly app to purchase plants.

Humanoid Robot fontawesome5 xcolor

- Used - Python, 3D Printing, Autonomous.
- Created a humanoid robot using 3D printed parts.
- Implemented voice command feature using Python, including features like walking, listening, and recording.
- Utilized CV2 for face recognition and Google Assistant for AI-driven information gathering.

Education

BTech Computer Science - 9 SPI fontawesome5 xcolor [Nirma University](#) **Ahmedabad, India** 2021-2024

Diploma in Mechanical Engineering - 9 SPI fontawesome5 xcolor [L.J Polytechnic](#) **Ahmedabad, India** 2019-2021

Skills

- **Languages:** Kotlin , Flutter, C++, C, Python, Java, HTML/CSS, JavaScript, SQL, Dart.
- **Developer Tools:** Firebase, VS Code, Android Studio, Wordpress
- **Technologies/Frameworks:** : Kotlin, Django, Firebase, Linux, GitHub, Shopify, WordPress.
- **Other Skills:** SDLC, IOT Applications, Robotics.
- **Data structure and Algorithms :** Competitive coding - [Coding Ninjas - vishal000t][Leet Code - 21bce533] [GFG - thawanivi08d8]

Achievement

- **TCS NQT:** Foundation Section - 68, Advanced Cognitive Section - 59, Programming Scores - 74. [View Certificate](#)
- **Autonomous:** Autonomous vehicle technology for self-driving cars - 2022. [View Certificate](#)
- **Volunteer:** NASA Space challenge 2023 India.
- **Participation:** Participation in Flipkart Grid 5.0, Coca-Cola Disrupt Season 3.
- **Autodesk :** 3rd Winner in Autodesk Smart Covid Design.

Languages

- **English** [Native]
- **Hindi** [Native]
- **Sindhi** [Basic]
- **Gujarati** [Native]