

Varshitha K

Android developer

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Android Developer with 3 years of specialized experience in designing and implementing mobile healthcare solutions, with a strong focus on real-time data acquisition. Expertise in Android development, algorithm implementation, database configuration, and application optimization. Skilled in mentoring teams, performing technical analysis, and improving solution efficiency through continuous testing and feedback.

Experience

● Tantragyaan Solutions – Application Engineer 2021 - present

- Enhanced application efficiency and performance, significantly improving user experience and reducing load times.
- Integrated Bluetooth Low Energy (BLE) to enable real-time health data collection from connected devices.
- Implemented Firebase for real-time notifications, video calling features, and overall app functionality improvements, leading to higher user engagement.
- Developed custom scripts in JavaScript and Python to automate processes, enhancing app performance and reliability.
- Conducted advanced debugging and performance enhancements, ensuring stable and optimized app operation.
- Fostered customer interaction by implementing user-centric features and communication channels, boosting engagement and satisfaction.

RELEVANT PROJECTS

1. Svasthya Healthcare Applications

- SVASTHYA SARVARAKSHANA: Led the development of a vital sign monitoring app with user alerts, data visualization, and secure uploads to Firebase. Enhanced image capture functionality.
- SVASTHYA PHC: Contributed to symptom recording features and integrated Firebase Cloud Messaging (FCM) for improved user experience.
- SVASTHYA ACTIVITY TRACKER: Designed features to monitor physical activity, calculate activity minutes, and support peer-to-peer communication for a healthy lifestyle.

2. ESL Software

- Developed system configurations, managed label properties, and worked on database storage for price listings. Led the creation of an Android NFC app for data transmission to EPROM.

3. BOM

- Performed requirement analysis and developed the user interface for a web application.

4. BIO BANK

- Managed customer interactions and designed application and cloud database architecture for a bio bank web application.

Education

● Impact Polytechnic 2018

Diploma in Computer Science

● Sir M Visveswara Institute of Technology 2021

B.E in Computer Science

Skills

- Languages: Java, Python, JavaScript
- Technologies: Android, Firebase, Node.js, XML, HTML, CSS
- Tools: Git, Android Studio, Firebase Cloud Messaging (FCM)
- Frameworks: BLE, NFC
- Database: MySQL, Firebase Realtime Database