

Adwait Vyas

Android App Developer

A versatile developer offering experience designing, implementing, testing and supporting professional applications developed in collaborative environments for mobile and tablet devices on the Android platform.

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Work Experience

Android Developer

NexGear Technology Pvt. Ltd.

Android Developer

2015 (Present)

- Developed companion app for wearable devices
- Enhanced abilities to build offbeat UIs and optimized apps
- Learned about Sensors, cameras, codecs, etc.

Projects

Android Apps

SnappLock

An App Locker with a Difference

Android

An Android app that lets the user lock other apps with methods such as numeric PIN, alphanumeric password or a pattern. The app can also utilize the front camera of the device to capture a photo of an intruder who attempts to gain unauthorized access to the locked app. The application has been shipped and made available for free download from the Google Play Store. Shipping this app augmented me with a hands-on expertise with a wide variety of Android device hardware and API versions.

Vaani

A Hindi Language Digital Assistant

Android

An Android app that responds to user's speech in Hindi language. The application works in a fashion similar to Apple's Siri and Microsoft's Cortana, but in Hindi. The app uses Android's android.speech and android.speech.tts packages to process speech to text and text to speech processing respectively. This, in combination with a text based Hindi natural language parser developed by me makes Vaani understand Hindi commands with more than 75% accuracy. Vaani is free, open-source and available on Github.

Skills

Programming and Development

Skilled at designing, developing and maintaining client-side Android apps with sufficient knowledge of server-side web technologies

Android SDK

Java SE

Web Frontend

Web Backend

Data Structures & Algorithms

Education

BE (Information Technology)

University of Mumbai

2011-2015

60.9% Aggregate

HSC (Science)

Maharashtra State Board of Education

2010-2011

79% Aggregate

Research

International Publications

Security Mechanisms for Android Devices

To Protect Application Data and Provide Information about Intrusion Attempts in Real Time

Rohit J., Arjun B., Adwait V., IJCA

October 2014

The amount of data being stored on Mobile Devices, particularly Android Devices, is increasing rapidly. Using passcodes to lock applications solves this problem to some extent but, this only protects the data and does not provide any information about the intruder's identity. This paper explores existing technologies that can be used to store the identity of the intruder and inform the users about intrusion in real time.

A Hindi Language Personal Assistant for Android

Asha B., Adwait V., et al, IJCEA

April 2015

Virtual personal assistants have not been available in any Indian languages. This paper, therefore, proposes the creation of Vaani, an Android-based Hindi language based personal assistant, which will understand colloquial Hindi and provide the necessary response.

Personal Info

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