

Adithya R

Associate Software Engineer at AirWatch by VMware

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Summary

Passionate about building quality and innovative products with unique use cases that help the general public tremendously

Experience

Associate Software Engineer at AirWatch by VMware

July 2014 - Present (11 months)

student at Reva Institute of Technology and Management

June 2010 - June 2014 (4 years 1 month)

Languages

English

Tamil

Kannada

Hindi

Skills & Expertise

Python

Android Development

C

Core Java

Java

Data Structures

Ruby

Education

Reva instute of technology and management

Bachelor of Engineering (BE), Computer Science, 2010 - 2014

Activities and Societies: Technical Convener of Revamp '14 TCS Core Committee Member of Revamp (Inter Collegiate Fest) Student Organization

sri vidya mandir

2002 - 2010

Honors and Awards

Won first place in Healthcare at Sequoia Hack 2014, A hackathon organised by Sequoia Capital

Sequoia Capital

September 2014

Our Team(Phoenix) won first place in the healthcare track at Sequoia Hack 2014 Bangalore by designing an android app that will facilitate people suffering from parkinsons disease. We designed an android app for patients suffering from Parkinson's Disease, it measures the intensity of the tremors and reports it to their doctors who can access the information on a web console which allows them to alter the dosage of medication Link:<https://www.sequoiahack.com/>

Won the popular Choice award for designing a Corporate dialler android app at the Airwatch Hackathon 2014, A Hackathon organised by "Airwatch By Vmware"

Airwatch By VMware

November 2014

Designed a Dialler application for android that helps preserve privacy, anonymity and enables ease of billing for corporate issued mobile devices.

Projects

A Smart Secured Session-Based Authentication Mechanism Using SHA512 Digest to Defend Against Phishing Attacks.(A project carried out at Indian Institute of Science, IISc)

January 2014 to Present

Members:Adithya R, Cyril Mac Philip, Pavan Gonagur, Monisha Elumalai

Our project addresses the issue of the lack of proper security being provided on the client side. This lack of security is even found in currently major web applications like popular mail service providers etc. We designed a solution to this prevalent problem by adding an extra layer of encryption using hashing functions which in this case is the extremely popular SHA-512 which gives a 512 bit digest as output and an extra layer of authentication using OTP (One Time Password) mechanism where the generated password is valid for only one time use. We also implemented the authentication process as session-based to improve the security by limiting the time frame and also to include session binding in the website to keep the external users out.

TeachMate

January 2015 to Present

Members:Adithya R, Nikhil Setty, Nikhil jere, Pavan Gonagur, Aravind Sreenivasa, Anuj Kumar Singh, Umang Chamaria

Problem Statement # In India, a country with more than 1 billion people, there is a major inequality in the education that reaches the mass. People from both ends of the spectrum can be observed in this country and bridging this gap is something that many people or organizations are trying to do but without widespread success. # There is a large mass of educated people who want to reach out and help those who are less fortunate. On the other hand, we have people who are in need of help but currently there are very less technological platforms available for both of them to interconnect. # Our project aims at addressing the issue

of easy reachability/accessibility using technology and by also taking location into consideration. Project Goals The goals of the project are listed as follows: # There are a wide variety of use cases that this Product would address and a few of those will be explained in much more detail in a separate section. # Develop an App for the Indian market that is both easy to use and loaded with functionality. # The beneficiary of the App is an individual or a group (NGO etc.) (Herein referred to as user) # The main functionality of the app is for a user to reach out to other users within a certain distance with any form of requests or alerts or announcements like requirement of volunteers or tutors, shout-out for used books and so on. # Bridging the gap between people who need help but don't know whom to ask, and people who want to help and do something good for society but don't know where to start with this product. # Provide a platform for a user to post questions to which other users can either reply or just view to improve knowledge and awareness

A Remote Diagnostic tool for Parkinson's disease

September 2014 to Present

Members:Adithya R, Anuj Kumar Singh, Umang Chamaria, Nikhil Setty, Pavan Gonagur

Our project was to design an Integrated solution (Web Console for the Doctor + Android app for the Patient) that will help patients suffering from Parkinson's Disease. The app measures the intensity of the tremors using an Accelerometer sensor and reports it to their doctors who can access the information on a web console which allows them to alter the dosage of medication remotely. The web console is access controlled and all the previous medical records for the patient is accessible without much effort, thereby saving huge amounts of time for both the doctors and the patients.

Corporate Dialer for an MDM solution

November 2014 to Present

Members:Adithya R, Pavan Gonagur, Nikhil Setty, Umang Chamaria

Designed a Dialer application for devices running on Android OS that helps preserve privacy, anonymity and enables ease of telecom billing for corporate issued mobile devices. The contacts, access to them and the usage is managed remotely from an MDM Console which was also developed for this Project.

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