

PRITESH SANKHE

priteshsankhe.com

ANDROID DEVELOPER

Android Apps on Play Store

Skim – Flipboard for Adventures

Co-creator & Android Developer, Bangalore

[Jan' 14 – Sept' 14]

Shortr – News, Blogs, Tutorials in Shorts but for Tech

Co-founder & CTO, Lumos Automation, Ahmedabad

[Feb' 15 – present]

Open Source

CSN-Android

The Caltech Community Seismic Network Android Application

Work Experience

Lumos Automation – Switch to a Smart Home

Co-founder & CTO, Ahmedabad

[Sept' 14 – Apr' 15]

- Built backend architecture and mobile app for Lumos smart electrical switches
- Developed ML algorithms based on decision trees for automating functioning of the switches adapting on user preferences, indoor and outdoor physical conditions.
- Technologies: NodeJS, MongoDB, Android, AWS, R, WEKA

Morgan Stanley Advantage Services

Strats Developer, Consultant, Mumbai

[Apr' 14 – Nov' 14]

- Took complete ownership of the legacy system for fund admin operations and enhanced it in terms of scalability, user-experience and features
- Independently handled the full cycle of requirement analysis, design, develop and support
- Technologies: Java, SQL, Perl (legacy code)

Ricoh Innovations Pvt. Ltd.

Associate Engineer, Bangalore

[June' 13 – Apr' 14]

- Research in Medical Imaging and Product Development
- Developed and Filed a Patent of Image Processing algorithms on medical images (MRI scans) of different modalities and implemented them to build a healthcare product
- Technologies: OpenCV, MATLAB, OCR engines, C, C++, Visual Studio, Linux

Internships

Caltech Community Seismic Network

California Institute of Technology, USA

[May – July '2012]

- The Community Seismic Network (CSN) is a distributed sensor network that seeks to detect seismic activity and issue early warning alerts
- Developed a robust client on Android Platform that detects seismic activity and relays the data to a central server application built on Google App Engine
- Technologies: Android, Google API's, Sensors, Algorithms

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ANDROID DEVELOPER

Android Engineer

Biosense Technologies, Mumbai, India

[May – July' 2011]

- Designed and Developed an Android Application that interfaces the medical sensor 'TouchB' which is a non-invasive, portable anemia scanner
- Contributions to 'TouchB' project recognized at [TED Global 2012](#) by Myshkin
- Technologies: Android, UX design, Embedded Systems, Algorithms

Projects

A Robotic System with Smartphone Working as its Brain As An Assistive Technology (B.Tech Thesis)

Advisor: Dr. Uttama Lahiri

[Jan – Sept' 2013]

- Developed a proof-of-concept of a smartphone based robotic system as an assistive technology that facilitates disabled people to navigate effectively
- This system which could take a form factor of a smartphone mounted electric wheelchair responds to the tactile and head movement input commands
- Technologies: Android, Embedded systems, OpenCV on Android

Library Books Recommendation System for students of IIT Gandhinagar

Advisor: Dr. Pawan Lingras

[Jan – April'2012]

- Built a recommendation engine on MySQL based on the concept of collaborative filtering adopted by sites like Amazon
- Developed an Android Application 'bookOverflow' which syncs the library issues from the database server and serves as a reminder when they are due.
- Technologies: Android, MySQL, PHP, Google API's, R

Technical Skills

- | | |
|-----------|--------------------|
| • Java | • Node.js |
| • Android | • Mongo |
| • C, C++ | • HTML, CSS |
| • MATLAB | • Machine Learning |
| • OpenCV | • R |

Education

Indian Institute of Technology, Gandhinagar

July 2009 – 2013, CGPA – 8.19 (on a scale of 10)

Major : Electrical Engineering

Minor : Computer Science

The D.G.Ruparel College, Mumbai

2006 – 2008

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