

Pritesh Sankhe

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Education	Indian Institute of Technology , Gandhinagar, India 2009 – 2013, CGPA – 8.19 (on a scale of 10) B.Tech, Electrical Engineering with Minors in Computer Science The D.G.Ruparel College , Mumbai, India 2006 – 2008, High School Percentage 91% St. Dominic Savio High School , Mumbai, India Secondary School Percentage 93%
Android Apps on Play Store	<u>Skim</u> – Flipboard for Adventures Co-Creator, Android developer & Growth Hacker, Bangalore [Jan' 14 – Sept' 14] <u>Shortr</u> – News, Blogs, Tutorials in Shorts but for Tech Co-founder & CTO, Lumos Automation, Ahmedabad [Feb' 15 – present]
Open Source Contribution	CSN-Android . The Caltech Community Seismic Network Android Application http://code.google.com/p/csn-android/
Work Experience	Morgan Stanley Advantage Services Strats Developer, Consultant, Mumbai [Apr' 14 – Nov' 14] <ul style="list-style-type: none">• 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] <ul style="list-style-type: none">• Research in Medical Imaging and Product Development• Developed Patentable 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] <ul style="list-style-type: none">• 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 Android Engineer Biosense Technologies, Mumbai, India [May – July' 2011] <ul style="list-style-type: none">• 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 Asu 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

Classification of Physiological signals into cognitive emotional states using Machine Learning

Advisor: Dr. Uttama Lahiri

[Aug' – Nov'2012]

- Project aims to evaluate affective states recognition in typically developing individuals and individuals with Autism Spectral Disorder (ASD)
- Developed a Machine Learning Model based on Support Vectors with over 80 percent recognition accuracy for typically developing individuals
- Technologies: MATLAB, R, Machine Learning

Library Books Recommendation System for students, 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

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

Teaching Experience

- Teaching Assistant for 'Computing Course' (ES 102) under Dr. Bireswar Das, IIT Gandhinagar [Aug – Nov'2011]
- Teaching Assistant for 'Data Structures Course' (ES 241) under Dr. Vinod Stokes, IIT Gandhinagar [Aug – Nov'2012]

Academic Excellence

- Dean's List Awardee for Academic Excellence [Apr'2013]
- Winner of Poster Presentation at Researchers' Ferret Confab'13, IITGN
- 'AP' grade for outstanding performance in the course of Engineering Drawing and Graphics during freshman year at IIT Gandhinagar
- Merit List holder with 16th Position in Mumbai Division from over 2 lac students in Secondary State Certificate Examination SSC

Media Coverage

- My B.Tech thesis got national coverage in [The Times of India](#)
- Android App bookOverflow received appreciation in [THE HINDU](#)
- Work at Biosense internship received appreciation from mentor at [TED GLOBAL](#)

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