

Romi Chandra

I create for
creation's sake

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Skills

Java; C#; .NET; SQL; XML; Assembly.
Android/iOS/Windows Mobile Engineering and Development. Django.
Android/Xamarin/Visual Studio; Eclipse; XCode; Turbo C++; Sublime; Matlab.
Github, Bitbucket.

Experience

Bobble Keyboard / Sr. Android Engineer

Oct 2017 - PRESENT, New Delhi

- Engineered a content recommendation feed to supply content based on a user's preferences on the mobile client for Bobble Keyboard.
- Designed a lossless Event logging framework for Bobble client to log timely user activities and scaled it to 15M events per hour.
- Improved the hygiene metrics of Bobble Android client, thus impacting a crash free user base of 99% (DAU) and 99% crash free sessions .
- Engineered and developed a chat logging framework (ACID), and scaled it to 5M sentences per day.
- Developed a vernacular speech2text module in Bobble Keyboard with LivAI integration, boosting the keyboard to support 10 Indian local languages.

Elune Technologies / Co-founder, CTO

Oct 2015 - Oct 2017, Bengaluru

- This venture was focused on making an ecosystem for both Doctors and Patients and how nest they can connect to each other for solving their problems related to the healthcare industry.
- Engineered and developed firstAid (android), Docbox (android, iOS) mobile applications from scratch and published them through the different stages/rollouts.
- Combined a shake detection algorithm with a pedometer in Android thus, increasing the accuracy of a step count by 10% relative to the Samsung S Health App.

Goibibo / SDE III (Mobile Engineer)

Sept 2014 - Oct 2015, Bengaluru

- Led the Native and Cross platform mobile app development team for ingoibibo - a vertical of goibibo focusing on the end to end Customer Responsive Management for 15k Hoteliers listed on Goibibo.
- Developed the Ingoibibo mobile applications from scratch, responsible for publishing it through the different stages/rollouts. Gained a sound skill to solve user-specific fragmentation issues, thus

converting 40% of the low-raters to modify their personal reviews and ratings for the mobile apps.

Sapient Global Markets/ Software Developer

Oct 2013 - Sept 2014, Bengaluru

- Worked on GARM, a platform that aims to build an ecosystem that fully manages the front office (trading and operations scheduling), mid office (risk control and credit) and back office (contracts and accounting) system functions and sustain the work of Global Supply , Trading and Risk Management for a leading Oil Corporation - Chevron.
- Accomplished accounting for different types of deals like Future, Forward, Option and SWAP.

I.I.T. Bombay/ Project Intern

May 2012 - Jun 2012, Mumbai

- Worked in Spann Lab, Electrical Department (IIT Bombay) under the esteemed guidance of Prof. S. N. Merchant on Feature Extraction, Object Based Video retrieval and Video Shot Detection using SIFT (Scale Invariant Fourier Transform), LIBSVM and MATLAB.
- Implemented color histogram, edge detection and motion detection algorithms for object detection.
- Built an algo to compute shot detection combining all methods in a code base of 60000 frames; increased efficiency from 75% to 90%.

Education

N.I.T. Trichy / B.Tech in E.C.E.

Jun 2009 - May 2013, Tiruchirappalli

Graduation Key Courses: Microprocessors; Digital Electronics; Analog Devices; Semiconductors; Digital Signal Processing; Entrepreneurship.

Self nutrition

Myo Armband / Wearable gesture control

Developed myo scripts in lua, for various applications (Keynote, VLC, IE, Chrome..) thus linking peculiar application controls to hand gestures.

Zeus / Voice controlled home automation

Created a system to control electrical appliances using simple voice commands (using Google's speech to text for voice on android and arduino circuit for the hardware).

Mimitate / Voice changer app

Developed an app to process real time audio, using TarsosDSP and javax.sound apis and implemented pitch detection, phoneme detection and various pitch processors on android.

Dexter / Control your .dex demons

Tackled multidexing for Bobble Android app, and thus open sourcing the solutions under the name Dexter, which has been trending on reddit, has collab on devRant and also has 2 podcasts covered by Androidiots.

Awards

Ethical Hacker / Level I, Appin Labs - I.I.T. Delhi (2010)

Open Chess Tournament / Silvers - Nationals, AICF (2008)

AIR - 22 / Indian National Mathematics Olympiad (2008)