Romi Chandra

I create for creation's sake

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Skills

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Experience

Romi Chandra

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Java; C++; C; C#; .NET; Swift; PHP; SQL; JavaScript; HTML; XML; Assembly.
rxjava, retrofit, dagger, okhttp, greendao, mockito, powermock.
Android/Xamarin/Visual Studio; Eclipse; XCode; Turbo C++; Sublime; Matlab.
Github, Bitbucket.

Bobble Keyboard / Sr. Android Engineer

Oct 2017 - PRESENT, New Delhi

- Scaling and maintaining the keyboard app to a 16M user base, till date.
- Engineered and developed a chat logging system, thus impacting real time user targeted advertising (~5M sentences per day).
- Engineered and developed an event logging system, to capture timely user activities on the app (~13M events per hour).
- Engineered and developed a networking module for the app, enabling users to interact with friends, thus impacting a network growth effect to the product.
- Architectured the code base on CLEAN and MVP design patterns.

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.
- Promoted to Head TA in Dec 2014. Led weekly meetings and supervised the java and C# batches of fellow associates for Sapient's In-house Training Program.

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.

Awards

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

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

AIR - 22 / Group Mathematics Olympiad (2007)

AIR - 30 / Indian National Mathematics Olympiad (2008)