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EMPLOYMENT

Co-founder, CTO   Elune Technologies PVT LTD   April 2016 - Present

This venture is 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. Elune has two verticals in place namely Docbox and firstAid.

- Developed firstAid (android only), Docbox (android, iOS) mobile applications from scratch and published them through the different stages (Beta Testing, Pre-Production, Production) on the respective App stores.
- Architected the REST APIs for both the verticals using LAMP stack (Linux, Apache, MySQL, PHP).
- Created and maintained Docbox Website serving more than 1000 Doctors till date.
- Redesigned Google Maps(UI) for firstAid Android App using styledmap.json.
- 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.
- Interviewed by YourStory for the Top Healthcare Startups of 2017.

SDE III   Goibibo   Sept' 2014 – Oct' 2015

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 the Hoteliers listed on Goibibo.

- Developed the Ingoibibo mobile applications from scratch, responsible for publishing it through the different stages (Beta Testing, Pre-Production, Production) on playstore and appstore.
- Demonstrated my programming skills with :
    native app development IDE(s) : Android Studio, XCode and Eclipse.
    cross platform app development IDE(s) : Xamarin Studio.
- Redesigned REST APIs for Ingoibibo mobile app, in Django/Python (DRF- Django Rest Framework).
- Gained a sound skill to solve user-specific issues (in this case Hoteliers), thus converting 40% of the low-raters to modify their personal reviews and ratings for the mobile apps.

Software Developer   Sapient Global Markets   Oct' 2013 – Sept' 2014

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.
- Daily release planning and delegation of adhoc tasks to the team.
- 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.

Project Intern   I.I.T. Bombay   May 2012 - Jun 2012

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

Tiruchirappalli, TN	National Institute of Technology, Trichy	June 2009 – May 2013

- B.Tech. in Electronics and Communication Engineering, CGPA : 7.01
- Graduation Key Courses: Microprocessors; Digital Electronics; Analog Devices; Semiconductors; Digital Signal Processing; Entrepreneurship.

SELF-NURTURED TECHNICAL EXPERIENCE

Projects
- **Wearable Technology - Myo Gesture Control Armband** : Developed myo scripts in lua, for various applications (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).
- **Media Center - Raspberry Pi :** Hosted an in-house media center on raspbian enabling all flatmates to play media files on the home Wifi Network.
- **MMORPG Game - Google Maps :** Building an android game which enables users to navigate on real time road locations and cross paths.
- **Mimitate - Voice Changer** : 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.

CERTIFICATIONS AND AWARDS

- **Silver Medal - Open Chess Tournament (2008) :** Scored 2nd position in a National Chess Tournament (Under- 19) hosted by AICF (All India Chess Federation).
- **Level I Ethical Hacker - Appin Labs, IIT Delhi (2010) :** Pursued ethical hacking (Level I) course, gained some insights on hacking android phones, DDOS attacks and msf exploits using Backtrack (Kali).
- **AIR-22 (GMO) / AIR-30 (INMO) :** Scored Top Ranks among lakhs of students in Group Mathematics Olympiad (GMO-2007) and Indian National Mathematics Olympiad (INMO-2008).

LANGUAGES, PLATFORMS AND TECHNOLOGIES

- Java; C++; C; C# .NET; Swift; PHP; SQL; JavaScript; HTML; XML; Assembly
- Android Studio; Xamarin Studio; Visual Studio; Eclipse; XCode; Turbo C++; Sublime; Pycharm; Matlab.
- SQL Server, Firebase.
- Github, Bitbucket, SVN.