Tanmay Kulkarni

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Work experience

Project Lead, Android Developer
The Wall - (College Notes)
05/2015 – 04/2016

The Wall is a **college notes application** which was built as a part of a project in college. It is built upon the Picasa web API to perform server side functions and the front end is a simple grid layout built in Android Studio which helps the user to choose the relevant notes respective to his/her class.

- **Lead** a small team of talented individuals and **achieved** a working prototype within **6 months**.
- Facilitated the use of Picasa Web API integrated within a grid fragment in order to achieve an adaptable grid layout.

Interned as Android Engineer, Data Analyst, and Database Manager.
RnM Moving Pictures, Mumbai
05/2015 – 06/2015

Dance with Madhuri by RnM Moving Pictures is the **world's first** celebrity-backed, online, gamified dance academy. I got an opportunity to work as an intern alongside **Bollywood** Actress **Madhuri Dixit** and her husband **Dr. Nene**.

- Responsible for database management and **building robust video processing systems** for android.
- Proposed, prototyped and evaluated multiple areas of optimization in video compression, delivery, and rendering.
- Analyzed and maintained analytical records with the help of **Google Analytics** and **Flurry**.
- Did **market research** on competitive products and studied SEO for achieving natural and organic results.

Interned as an Android Developer, UI/UX Designer & Front-end Developer.
L V Prasad Eye Institute, Hyderabad
12/2014 – 03/2015

At LVPEI, **Srujana Innovation Center** I worked on **3 major research projects** which were built in association with the **Camera Culture Group**, **MIT Media Labs, Boston**.

1) iLabelit - (Retinal Annotation Web App).

- Devised an **annotating tool** for **retinal images** which would help optometrists to maintain a record of healthy and unhealthy retinas.
- Developed a Quiz section as a **gamification platform** for medical students to gather annotated data of the retinal images.
- Successfully **built and deployed** desktop-based web app and mobile based web app on the Media Labs Server

2) StereoCam - (VR Android App).

- StereoCam offers stereoscopic camera views with a filter of fish-eye lens which helps the user to **see distant objects closely**.
- Achieved effective results by **testing on partially blind** people to help them see distant objects closely.
- Performed experiments and **achieved prolific results** by observing **plant cells** in VR under a natural light source with the help of **Foldscopes** provided by **PrakashLab** from **Stanford University**.

3) Pupil Tracker.

- Built a **VR app** that would display football images in 3D stereoscopic scenes with the help of **binocular rendering**. Used android scale animations with bounce interpolator to achieve **synchronized bouncing animations** of two images in a **single plane**.
- **Designed** and formulated a **VR headset** consisting of HD Webcam, infrared lights and **contributed** the Electrical Engineering team in developing pupil tracking software in Open CV for achieving **real-time pupil tracking** and gathering data.

Work experience

Android Developer, UI/UX & Graphics Designer
Futuristic Torch
2014

Futuristic Torch is a simple flashlight application with a beautiful user interface having material designed buttons. Developed it as a self-learning experience to get started with monetization and monetizing strategies.

- Developed aesthetically appealing user interface graphics in Adobe Photoshop Elements 10 by following Googles's design principles on material design.
- Incorporated ads from MobileCore and Google AdMob within the app.

Game Developer, Graphic Designer
Skyrocket
2014

Skyrocket is an arcade shooter game developed in Unity3D for Windows OS and the Web. Developed to get started with an **optimistic approach** towards **game development**.

- Learned about **Unity 3D** and wrote the entire game in **C#**. Developed games graphics from scratch in Adobe Photoshop Elements 10.
- Incorporated game sprites, parallax mapping, particle physics, smoke effects and prefabs from Unity3D.

Android Developer, UI/UX Designer
Find My Car
2014

Find My Car is an application that remembers where you last parked your car. The app uses Google Maps API to do the tracing and locating of the car.

- Developed Find My Car after facing a **real life problem** of finding my own car.
- Utilized the Google Maps API within the app for faster communication and location tracking.
- Find My Car is available on the **Google Play Store** and has been downloaded more than **700 times** from more than **10 countries** and has an average rating of **4.7 stars**.

Android Developer, Graphics Designer
Roll The Dice
2013 − 2014

Roll The Dice is my maiden android application to be **published** on the **Google Play Store**. It is a simple dice app having an aesthetically appealing user interface which **simulates the motion of a real dice**.

- Successfully developed a simple dice app which would simulate the rolling of a real dice on your smartphone.
- Designed all the graphics and UI elements from scratch in Adobe Photoshop.
- Roll The Dice was downloaded **more than 10,000 times in just 6 months** of launch and was **trending** on the **Google Play Store** in the Games category for **3 weeks**.
- Executed **marketing and promotional strategies** efficiently across social media through effective communication.

Education

Information Technology
Vidyalankar Institute Of Technology - (VIT), Mumbai
2013 - present

- Acted as the **project lead** on The Wall - (College Notes) android application and lead a small team of talented individuals in successfully creating an application for the college.
- **Represented VIT** at the Annual Career Fair and exhibited The Wall - (College Notes) android application in front of **more than 20 schools and colleges** from all over the state.

Skills

Programming

HTML5/CSS3	●●●●○
Java/Javascript	●●●○○
C/C++	●●●○○
Python	●●○○○

Business and Marketing

Leadership	●●●●○
Presentation & Effective Communication	●●●●○
Digital Marketing and SEO	●●●○○
Google Analytics/Flurry	●●●○○

Design

Adobe Photoshop Elements 10	●●●○○
Adobe Lightroom	●●●○○
SolidWorks	●●○○○
Pixate	●●○○○

Softwares

Android Studio/Eclipse	●●●●○
Mac OS/Windows/Ubuntu	●●●●○
Atom/Git	●●●●○
Unity 3D/Unreal Game Engine	●●○○○