

DIPT CHAUDHARY'S PORTFOLIO

IU e-app No. - IU001843696

"I certify that the work included in this portfolio is my own original work. Work included which was conducted as a part of a team or other group is indicated and attributed as such- the other team members are named and a true description of my role in the project is included."

A handwritten signature in black ink, appearing to read "Dipt Chaudhary". The signature is written in a cursive style with a diagonal line through it.

Dipt Chaudhary
20th November 2015

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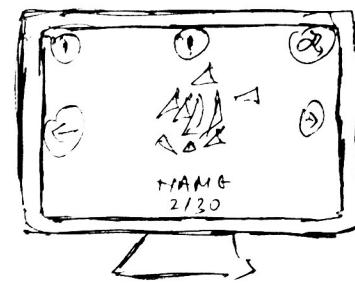
ENDANGERED INDIA

Awareness project for children about 30 endangered species found in India

<http://dipt.github.io/endangered-india/>



Color
a SVG
transition
1 sec.



As another side project I took on the challenge of creating an awareness project about endangered animals found in India for school students. This project was inspired by Bryan James 'In Pieces' project.

This project made me to write a SVG parser in order to animate the transition between each element.

Every one of the endangered species is design with only 30 triangular objects, making it a design challenge.

A lot of time was spent gathering information regarding these animals as there were not many reliable information sources and many were outdated.



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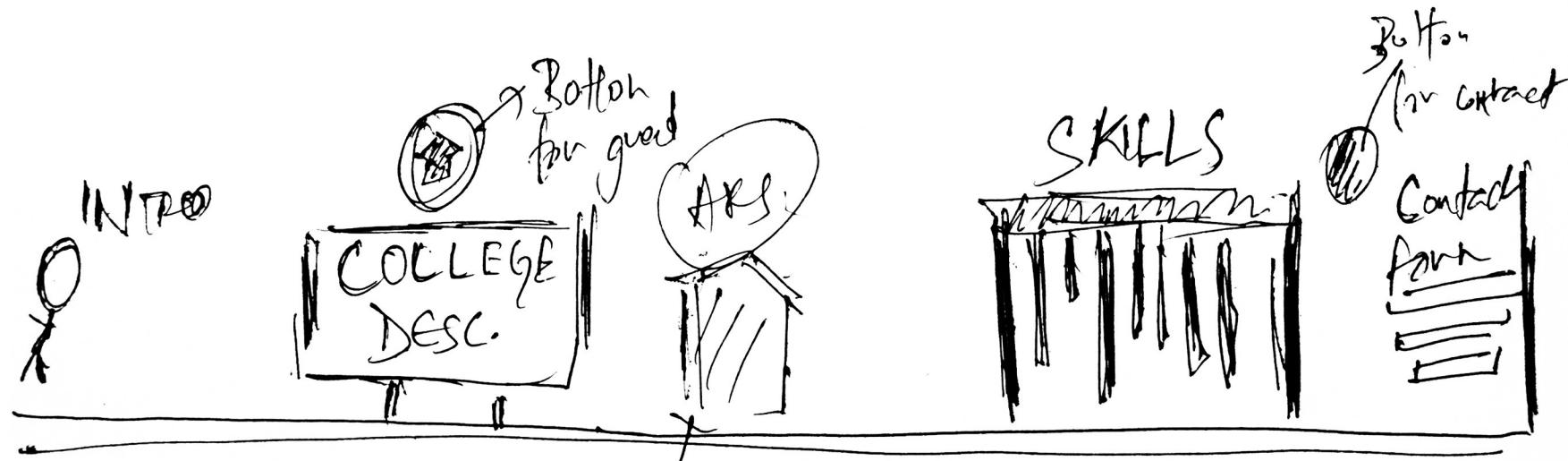
The final project can be found at <http://dipt.github.io/endangered-india/>

The source code is available at <https://github.com/Dipt/endangered-india>

INTERACTIVE RESUME

Redesigning the traditional resume through storytelling and interactive video game experience.

<http://dipt.github.io/resume/>



As a side project I took on the challenge of redesign of the mundane resume into something which can show the unique aspect of the individual.

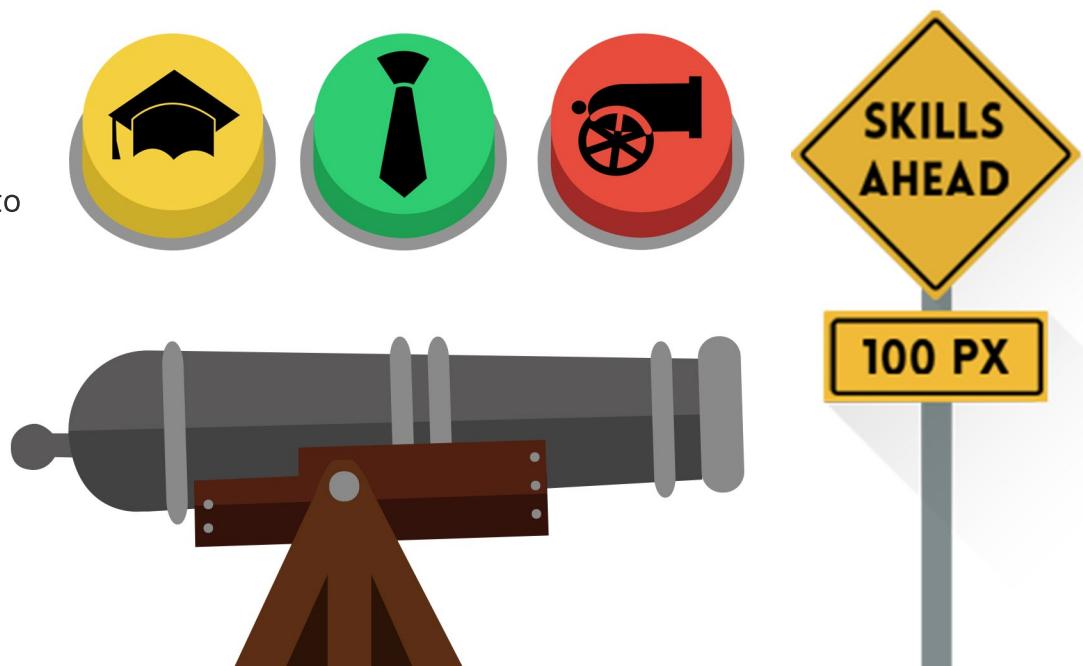
The idea was to test the response toward the concept on a small resume so I took my own resume as a sample and tried to present it using an alternate fashion.

The first stage involved ideation and a rough draft. After that three goals were set -

Increase the time user spends on the page.

Create a lasting and unique impression.

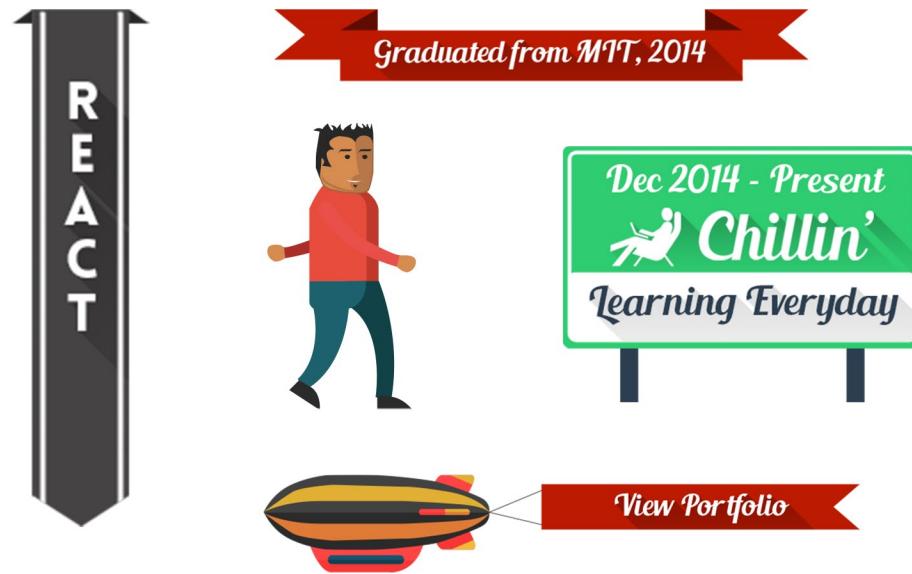
To be able to use arrow keys to navigate as a video game.



INTERACTIVE RESUME

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<http://dipt.github.io/resume/>



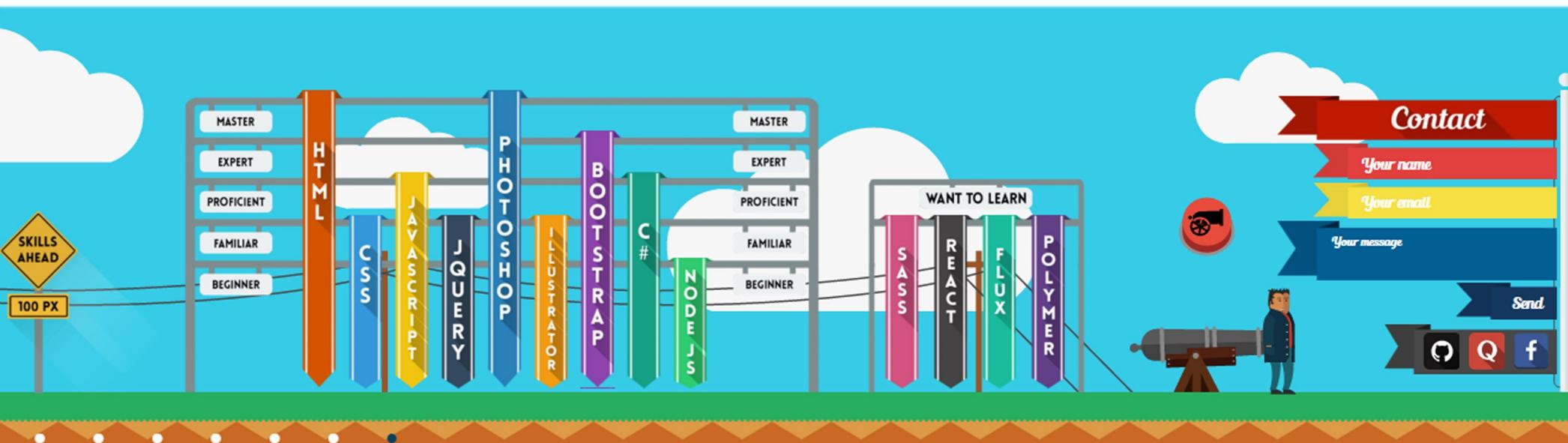
I thought of a theme inspired by the flat design comprising of vibrant colors and crisp typography.

Using dummy images for the background elements, I first wrote the javascript animations required for walking, contact form, apparel and popping of skill ribbons.

Next step involved iterations of design. Background images were designed using Photoshop and Illustrator and went through several cycles of refinement and heuristic evaluations.

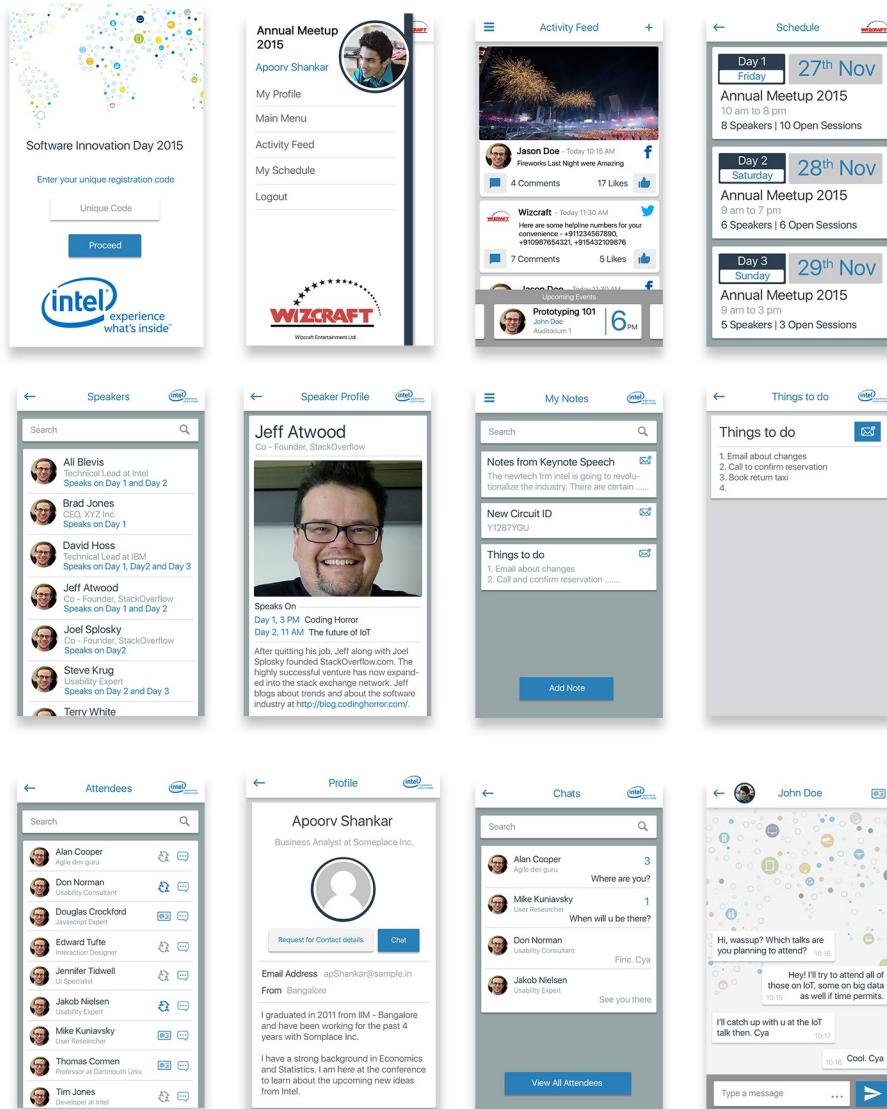
You can view the final project at <http://dipt.github.io/resume/>

Source code repository at <https://github.com/Dipt/resume>



WIZCRAFT MOBILE APP

Collaborated as a visual designer with Codemerchants Inc. for a hybrid mobile app for Intel's event to be managed by Wizcraft



This project involved creating a hybrid mobile application for Intel's Software Innovation Day 2015. I collaborated with Codemerchants Inc. who provided me with wireframes for the application.

The application had features like

- Event News Feed
- Event Schedule
- Event Speaker Details
- Space to take down notes
- View other attendees
- Networking with other attendees through chat and exchange of business cards
- A gallery to share the photos from the event

One of the biggest challenge of designing any hybrid application is ensuring that it looks good both iOS and android devices.

Interface Design, Mobile Design, Hybrid app design
Tools & Tech : Adobe Photoshop, Adobe Illustrator

SURAKSHA KAVACH (SAFETY SHIELD)

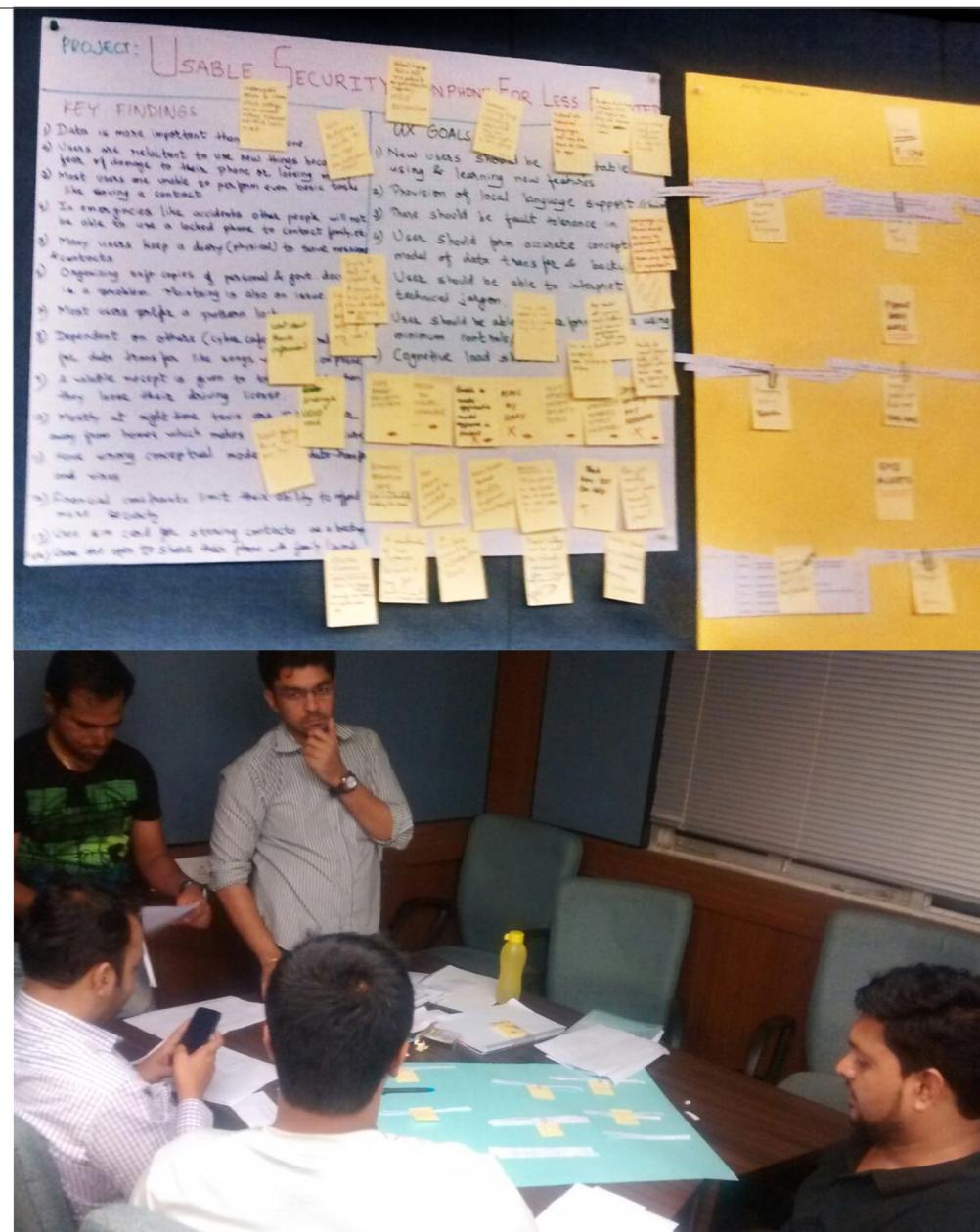
Prototype for tackling - Usable Security for the Less Educated. Done as part of a HCI course at IDC, IIT-B in a 6 member team.

This project required a team of six individuals to tackle the issue regarding **Usable Security for the Less Educated**. In India, this is a serious issue with the growing penetration of technology in the country towards millions of the less educated people. We followed a user centered process involving contextual inquiries, affinity, personas, prototyping and usability evalution.

CONTEXTUAL INQUIRY

We went out and talked to working class individuals nearby who had education qualifications upto 8-10th grade. These were housekeeping staff of IIT-B, construction workers, taxi drivers and self employed businessmen. Below are some of the findings

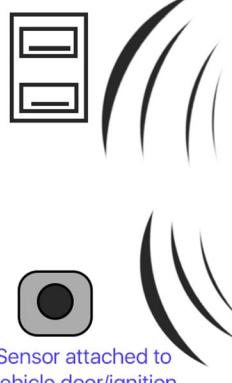
- All of the candidates knew about smartphones and the internet and a majority of them used their phones to access services like facebook and whatsapp.
- Only one was aware of the the security threats from the Internet. None of them knew how to backup or restore data and often requiring mediated access to transfer data from other devices.
- None knew how to save digital copies of their important documents.
- Most were reluctant to use features involving transactions like shopping and banking saying 'These things are not meant for me' when asked for a reason.



SURAKSHA KAVACH (SAFETY SHIELD)

Prototype for tackling - Usable Security for the Less Educated. Done as part of a HCI course at IDC, IIT-B in a 6 member team.

DIGILocker



Sensor attached to vehicle door/ignition
To track vehicle and send back the status.

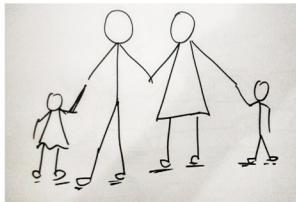


Suraksha Kavach App

Will enable to teach the less educated to take backups, restore data, configure phone security and help saving govt. ID docs



Suraksha Sandoor
A power bank cum memory backup taker.
Syncs the phone data and can also restore data when needed



AFFINITY

Our findings were :

- Lack of awareness and flawed conceptual models of security is a major concern.
- Data is more important than the phone, but they do not backup data on the internet.
- Find physical backup to be more secure.
- Taxi drivers are concerned about their vehicles and emergency calling.
- All share their phones with family and friends, hence do not have any screen lock.

DESIGN

We designed a mobile app with certain objectives:

- Provide learning and simulation module to try out new features
- Sync with govt. of India's digital documents backup called DIGILocker.
- Monitor vehicle lock for taxi drivers.
- Able to set emergency contact numbers to be displayed when phone is locked.
- Provide a backup solution called Suraksha Sandoor(Safety Chest) which is a power bank cum memory backup syncing with the SIM number.

PERSONAS

One of the primary personas involved showing the story of Natha, a taxi driver and how the Suraksha Kavach application is able to affect his life in a positive and productive way.

SURAKSHA KAVACH (SAFETY SHIELD)

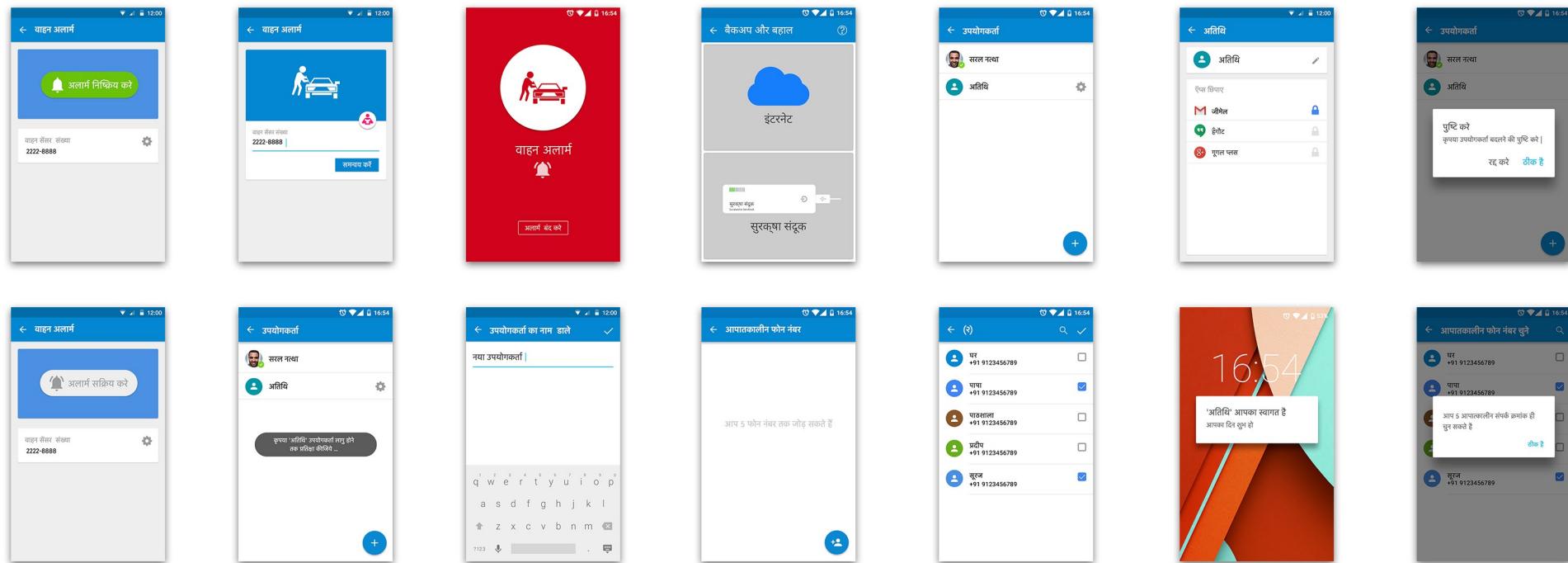
Prototype for tackling - Usable Security for the Less Educated. Done as part of a HCI course at IDC, IIT-B in a 6 member team.

FINAL DESIGN

The final prototype involved the following screens. Due to time constraints, we adopted Google's material design as the style guide. The language used in the prototype is hindi.

As the primary focus of the workshop was to learn, every member was involved in every stage of the process. I am glad to have worked with 5 enthusiastic designers whom I had never met before.

Prototype can be found at : <https://marvelapp.com/727h20>



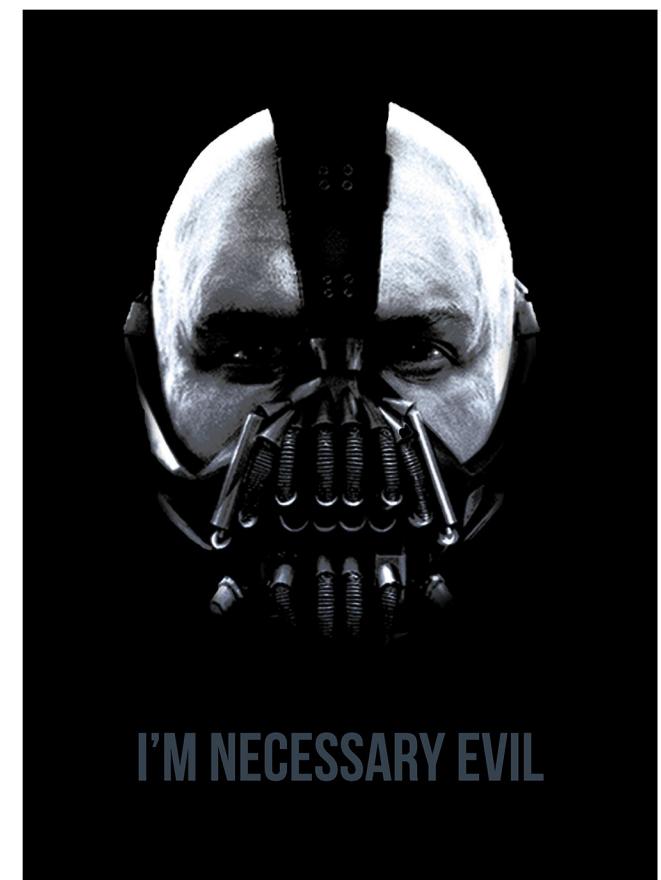
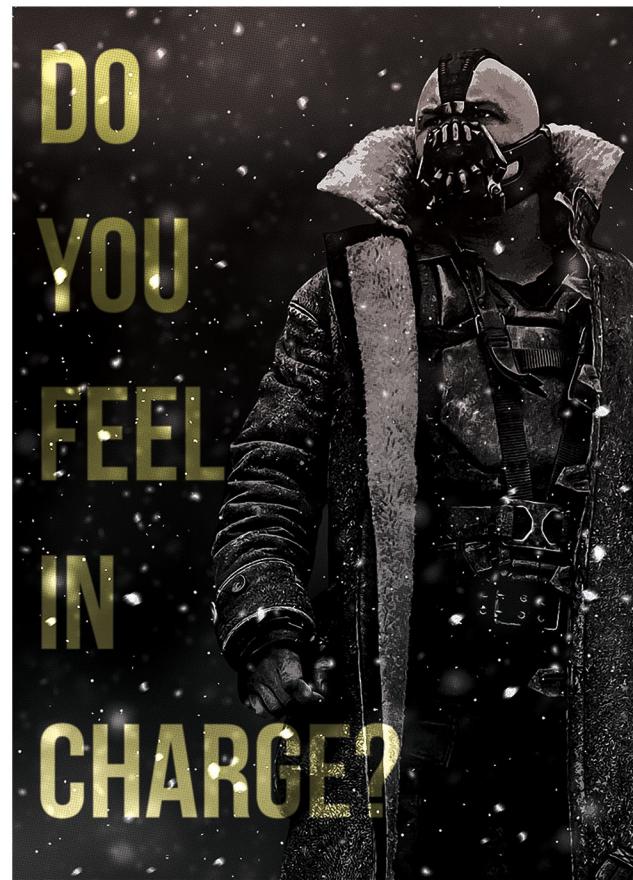
VECTOR ART



Muhammad Ali, in vector art. Done over a long weekend as a hobby project

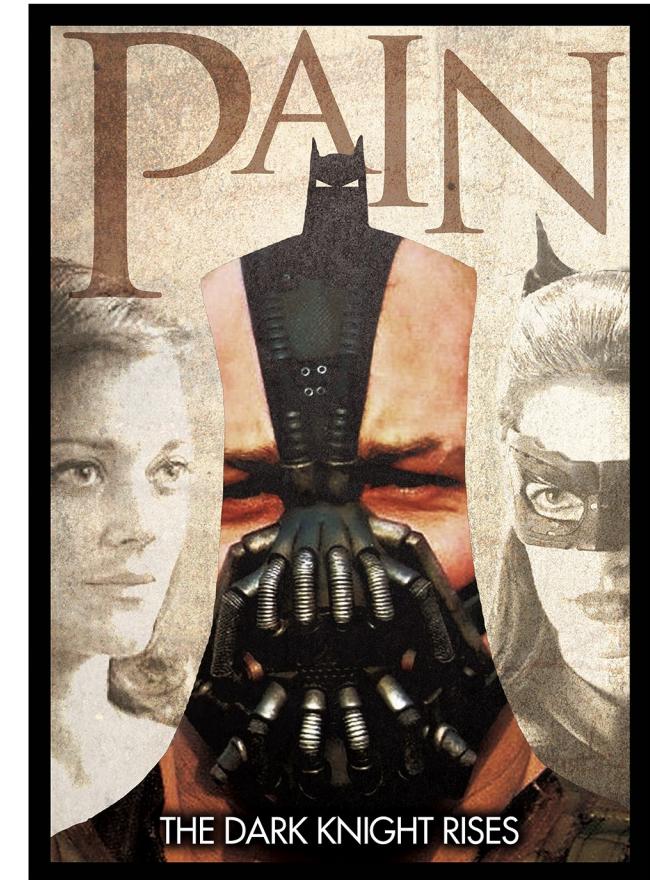
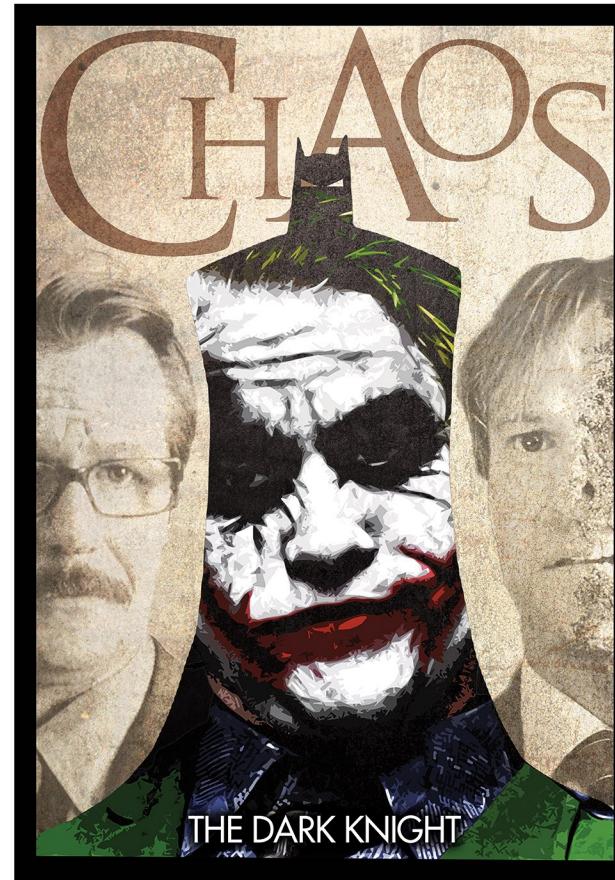
POSTERS

The Best Posters I have designed over the years.



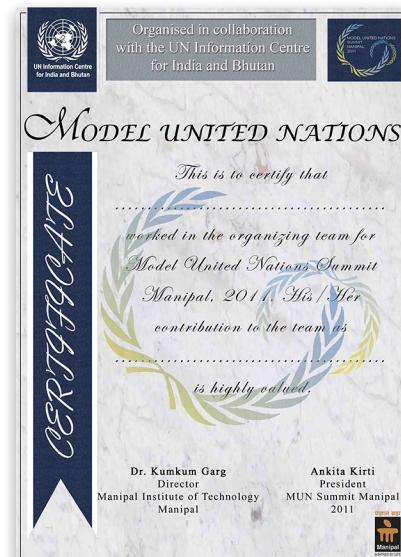
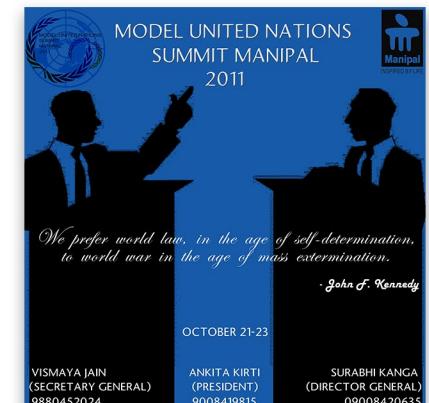
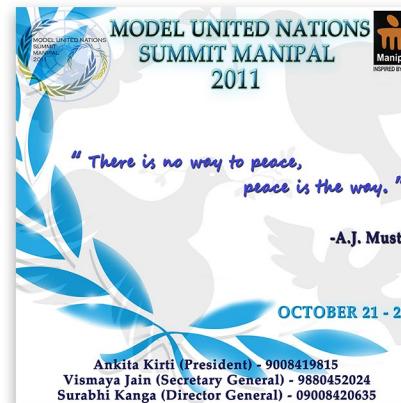
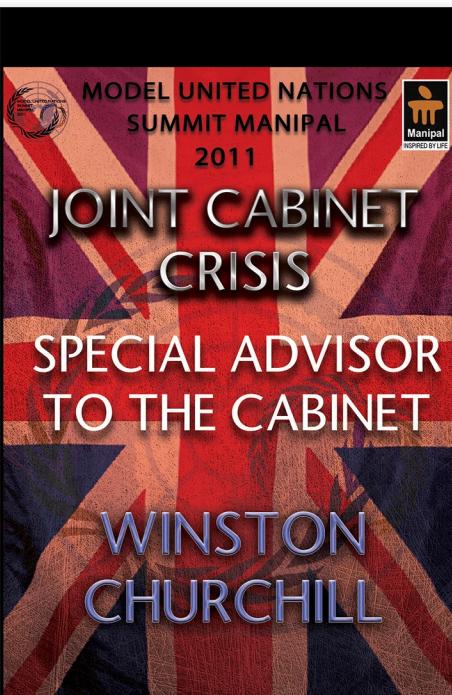
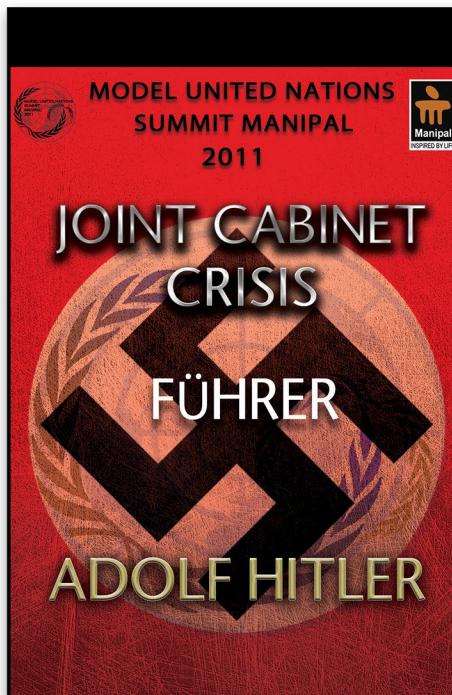
POSTERS

The Best Posters I have designed over the years



MODEL UNITED NATIONS 2011

As creative director I designed posters, banners, placards, id-cards and certificates for a 300 member event. Here are some



WRITING

I occasionally write about UX and programming. Here are links to some of my written work

My article about facebook comments, published in UX in India. **Dear Facebook, your users are lazier than you think**

Link - <https://medium.com/ux-for-india/dear-facebook-your-users-are-lazier-than-you-think-e5c1419a7092#.wqydnq4a>

My article on perils of design assumptions. **Designing for those beyond the Wall**

Link - <https://medium.com/@diptchaudhary/designing-for-those-beyond-the-wall-2b57b1d78d3c#.l6m07v1ab>

My Quora answer to **What is computer programming?** (+6k upvotes) Link - <http://qr.ae/Rw0nMt>

My Quora answer to **Software Engineering: Why do some computer programmers develop amazing software or new concepts, while some are stuck with basic programming work?** (+1.5k upvotes) Link - <http://qr.ae/Rw0n8s>