PORTFOLIO

SUSHIL SYLVESTER S

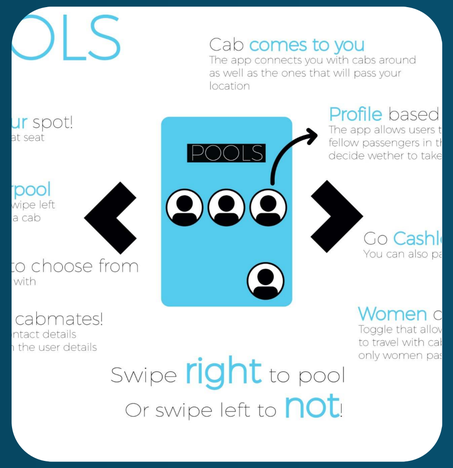
Artist and Designer

AREAS OF INTEREST

Product design

3D modelling

Technology



Web and App design

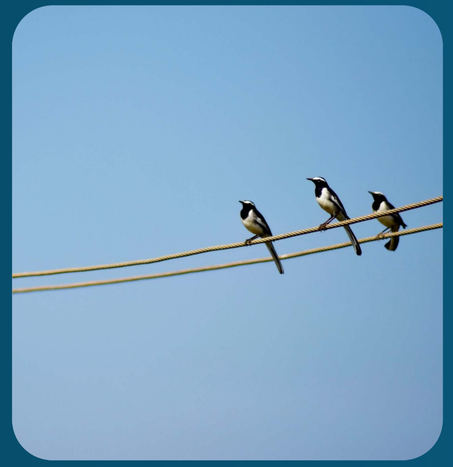
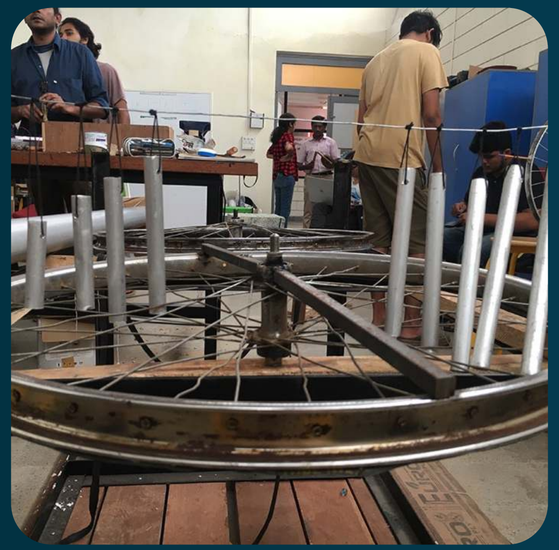
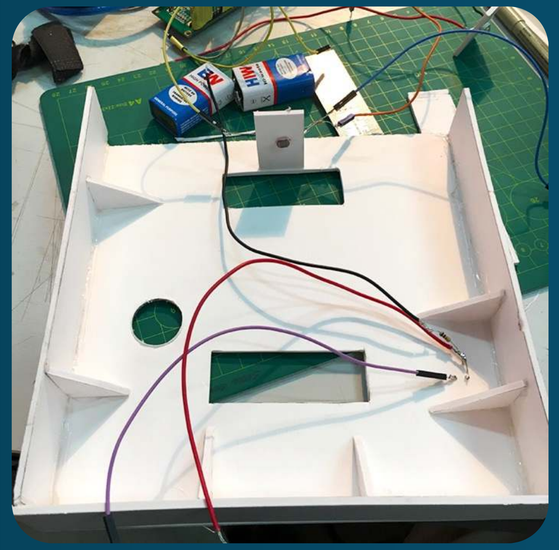


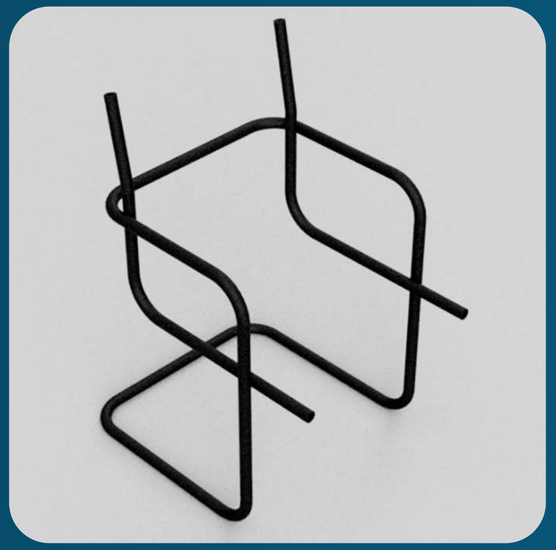
Photo and video

PRODUCT DESIGN

Hands on work is something that I really enjoy. Product design courses in Srishti gave me an opportunity to build new and interesting objects for different purposes. I like to infuse the latest technology into the different products that I work on. Fusion 360 is my preferred software for 3D modelling products.

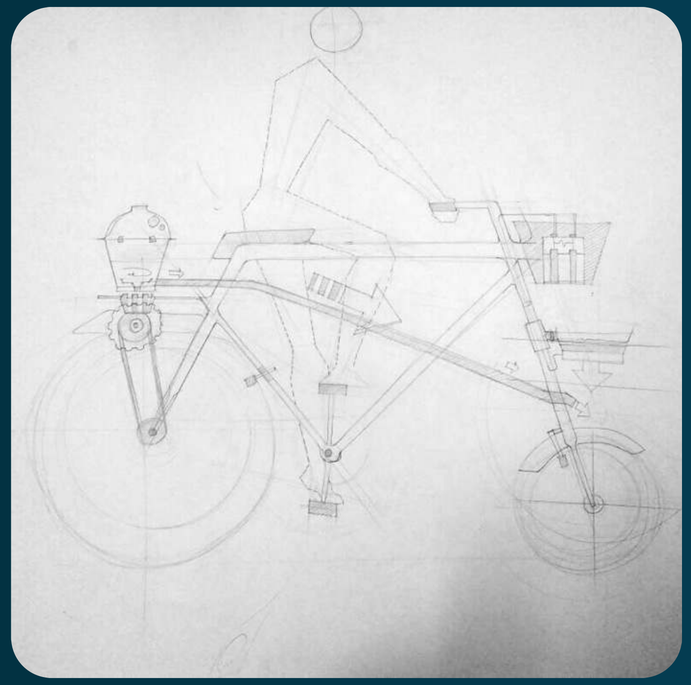






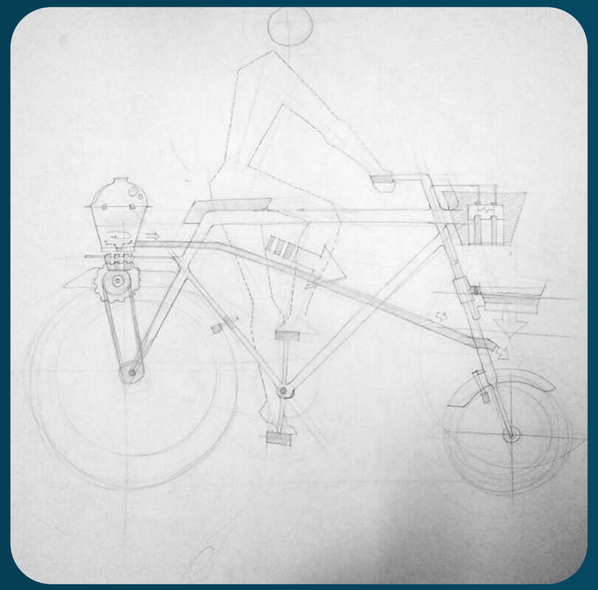
PRODUCT DESIGN

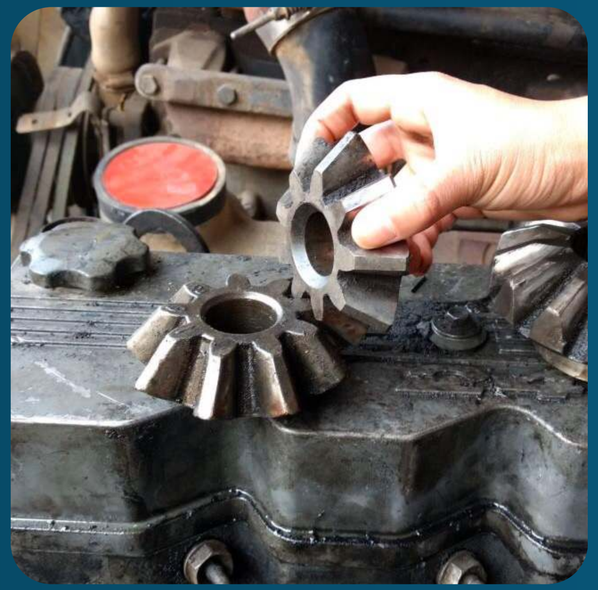
BICYCLE HACKING

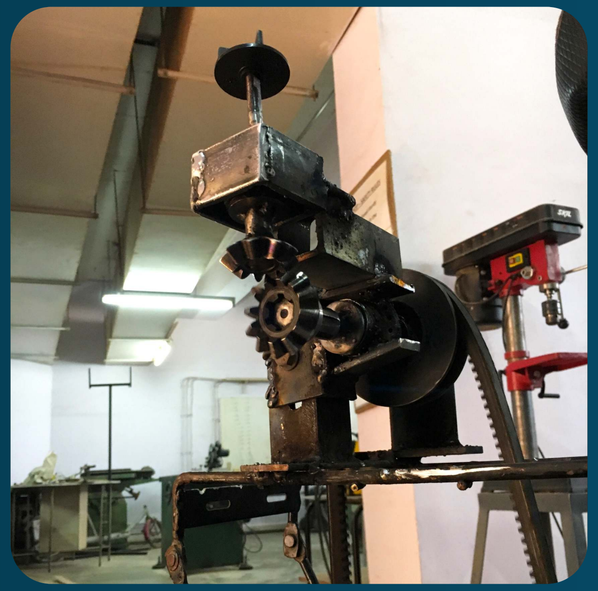


Bicycle hacking was a class in which we had to add some features to a bicycle. Instead of just using a bicycle for transport we added a feature to it. This was a group project so together we decided to build a bicycle that had a blender on the back so that the rider can make his/her morning fruit juice on the way to work.

PROCESS

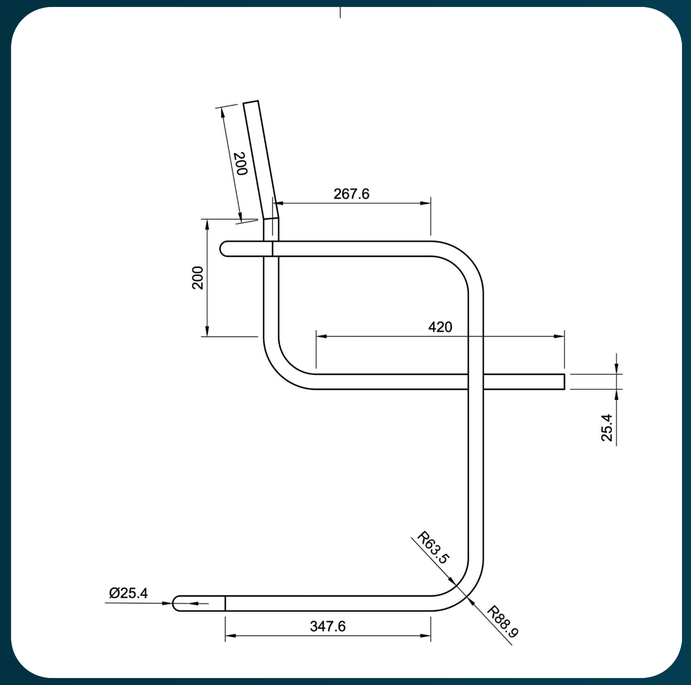


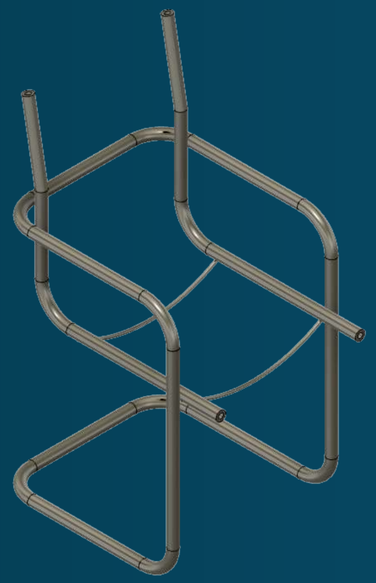




PRODUCT DESIGN

FURNITURE DESIGN

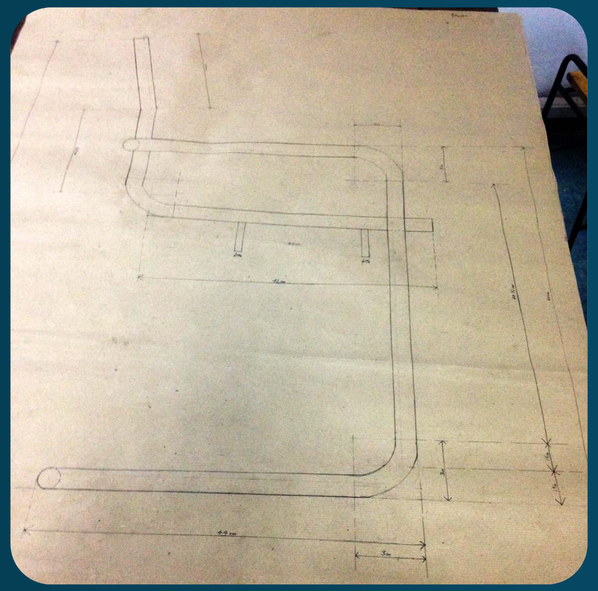


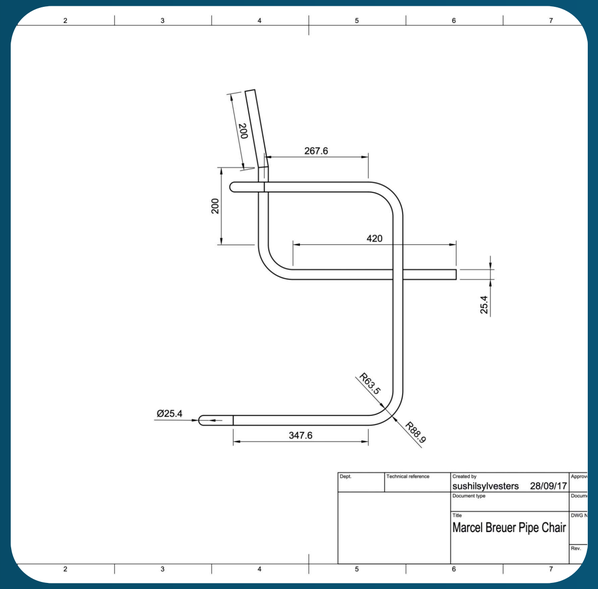


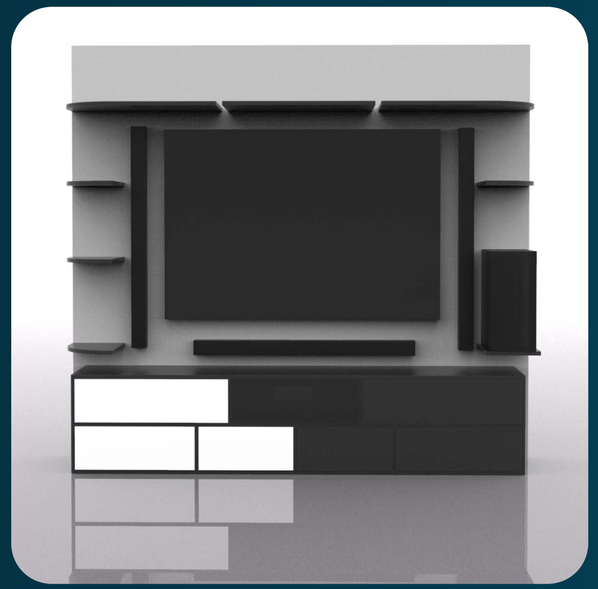
The furniture that I made is a replica of the famous pipe chair by Mart Stam. The model name of the chair is S 34. I had to build the chair from scratch to learn the different methords and skills that are needed to build a piece of furniture.

PROCESS

For this project first I had to draw the chair to scale as it helps to keep checking if im getting the size right. Next I had to make the basic structure of the chair with metal pipe. I had to work with the workshop technicians to get this done. To paint the chair I chose to power coat it as it was metal and powder coating would have an even and clean look. Finally I made the seat with Rexine.



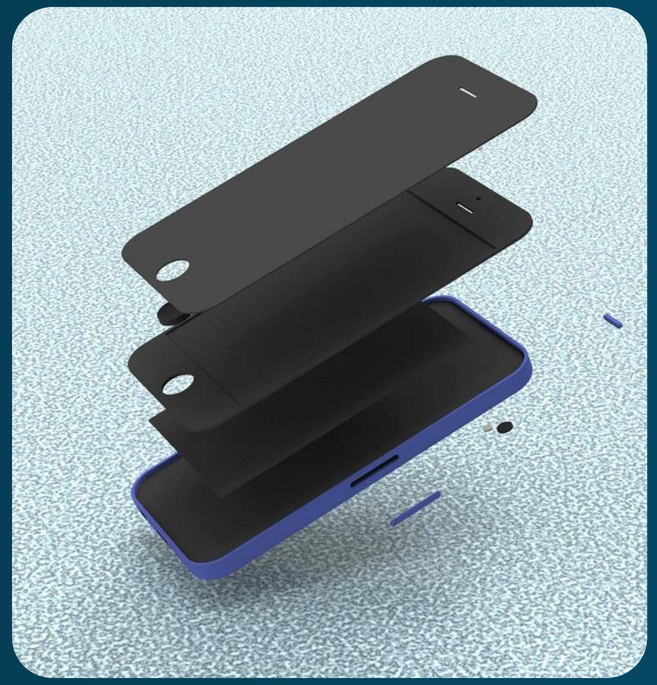




Here are some furniture models that I made in Fusion 360. The models are rendered in KeyShot.

SOFTWARE MODELS

3D MODELS



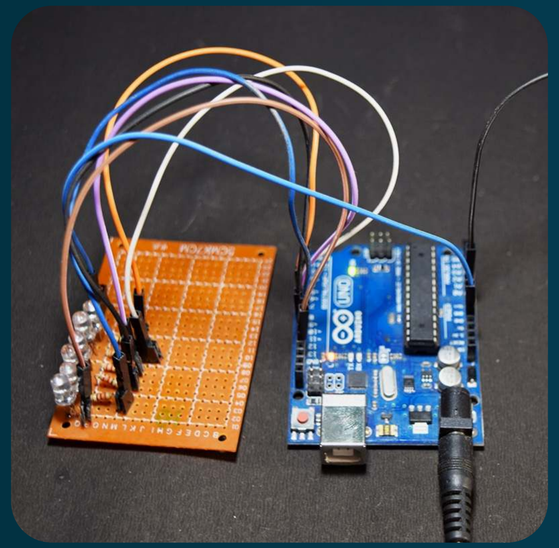
These models were made for the digital skills workshop. It took me two days to make each model and render it in fusion 360.
The replica of the g-shock watch was made in fusion 360. and was rendered in Keyshot.

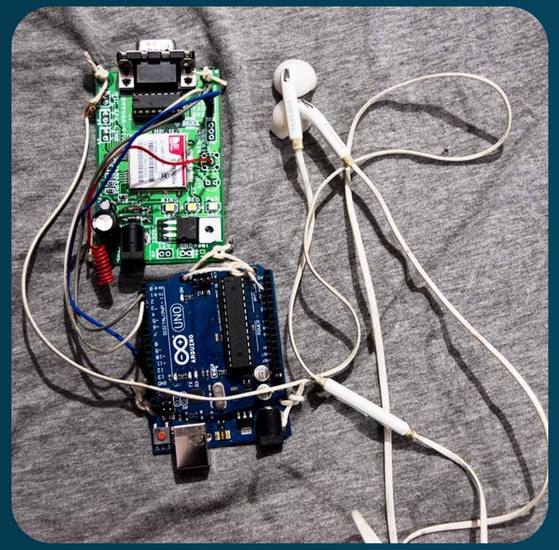
PROCESS

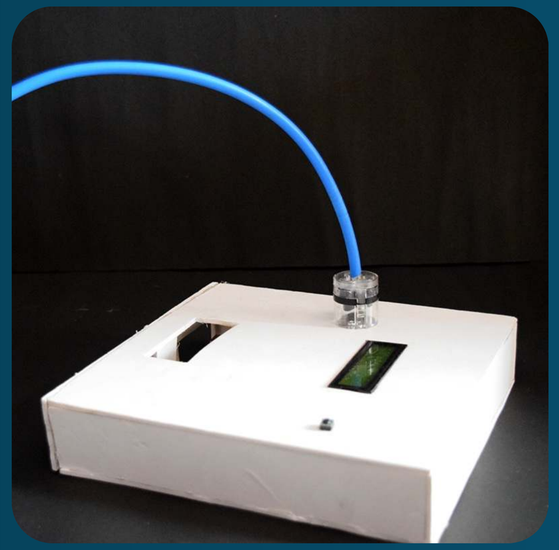
Here are some of the 3D models that I've worked on.

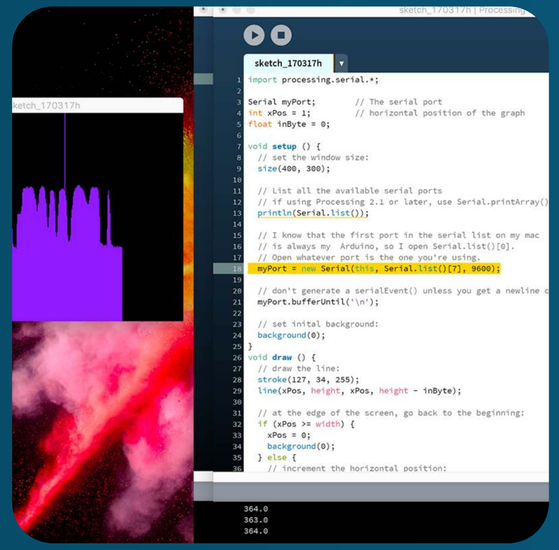
TECHNOLOGY

Technology is the field that really interests me. Working with emerging electronics or technology to make new things that evoke different experiences is what I like to do. I like to incorporate electronics into as many projects as I can. I think artists should embrace technology and should use it as a medium for their work.



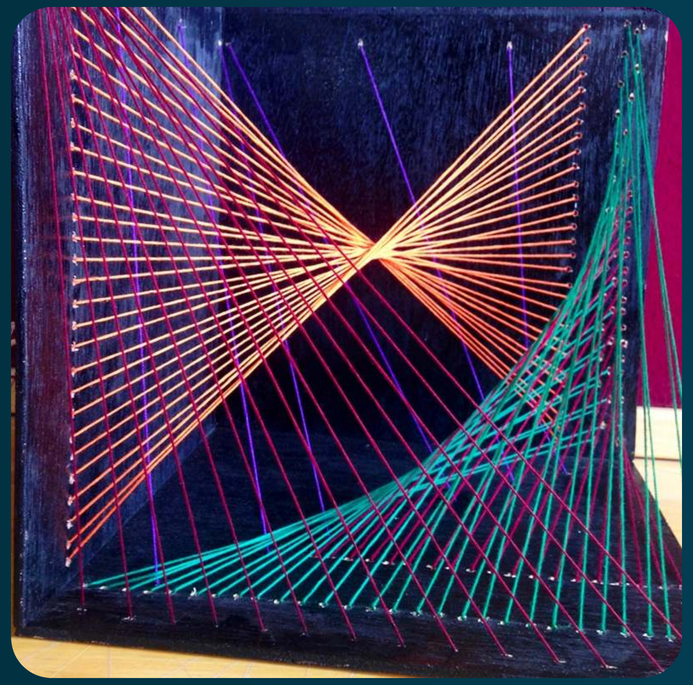


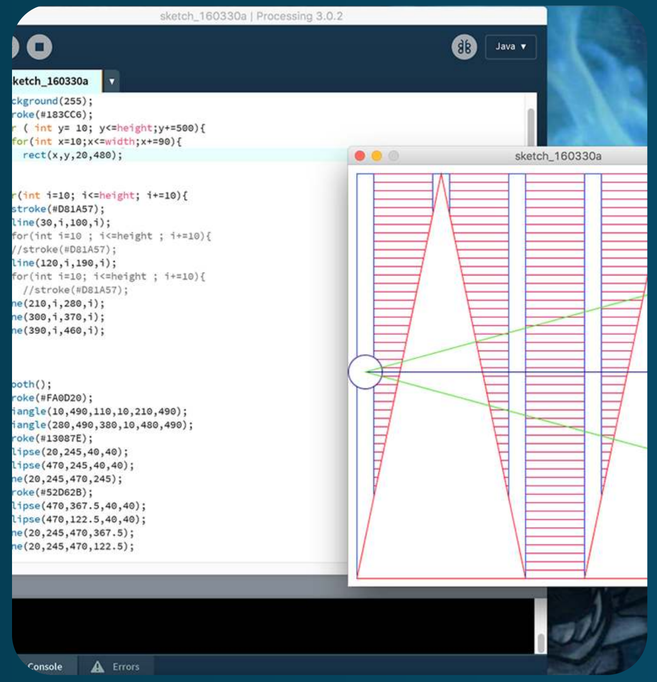


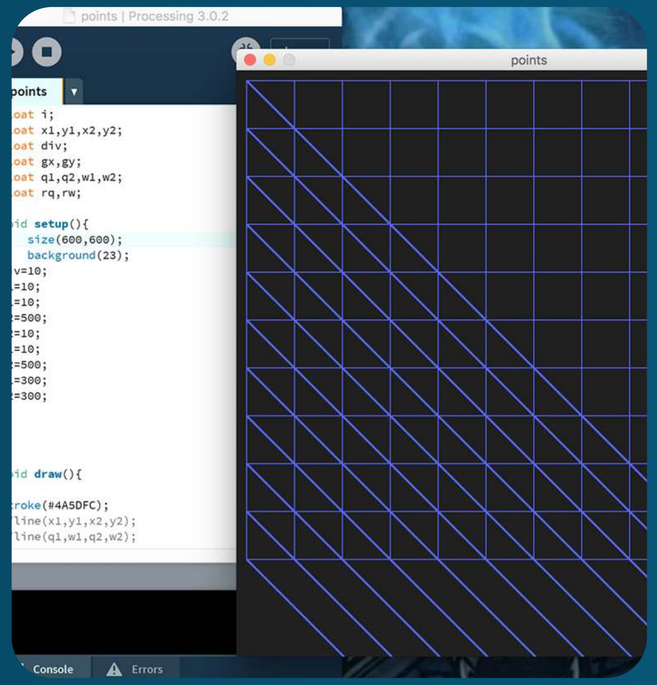


TECHNOLOGY

PROCESSING



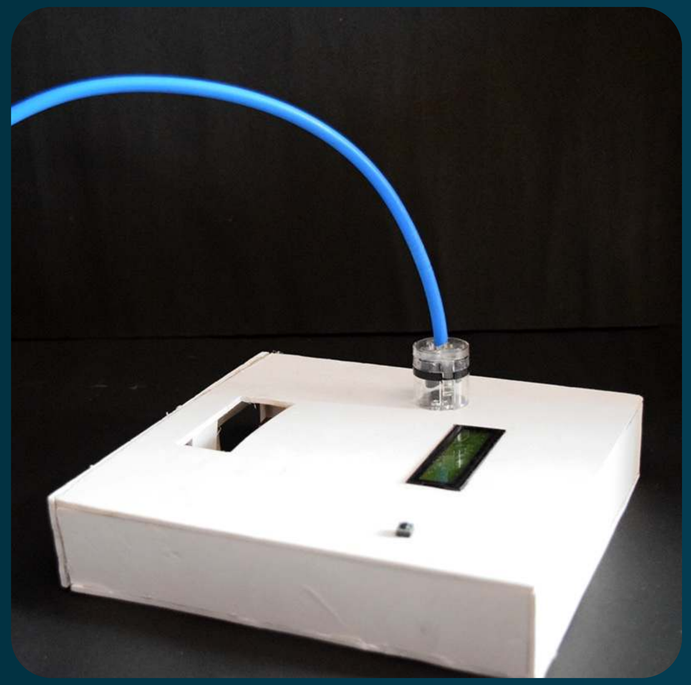


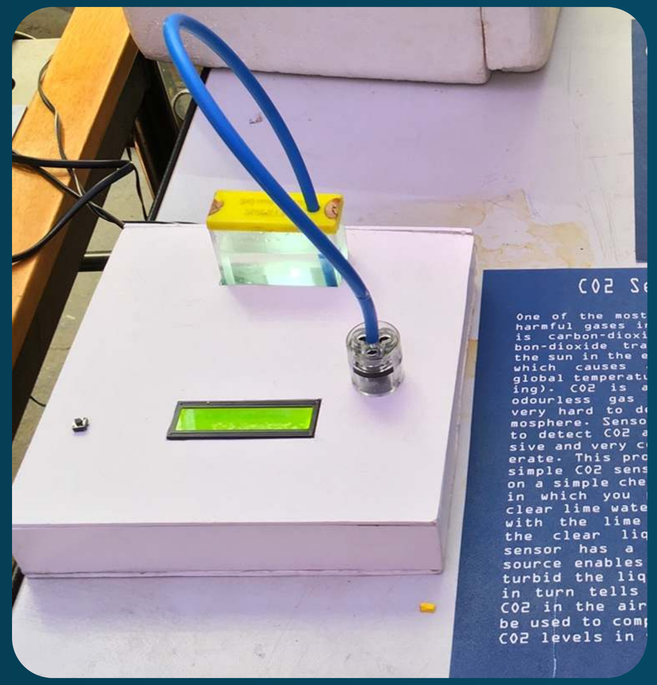


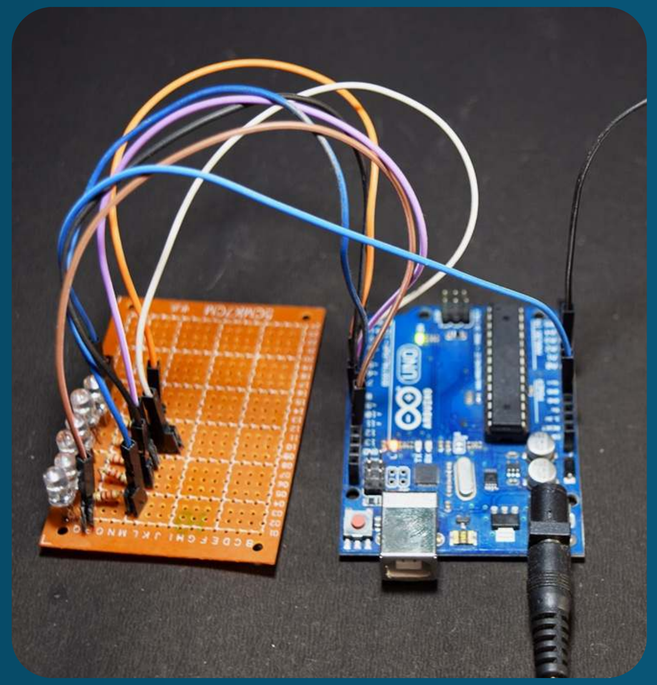
I worked with processing to replicate the patterns that we made using string. Processing is used to visualise data therefore I used the software to code the different patterns that I had created physically using string.

TECHNOLOGY

ARDUINO



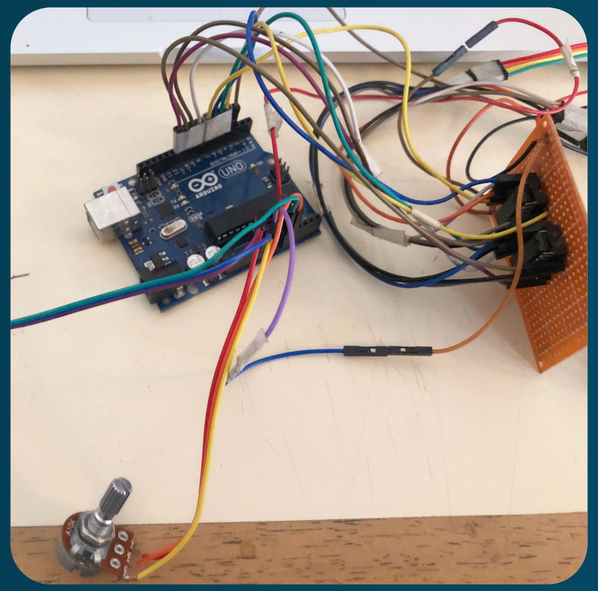


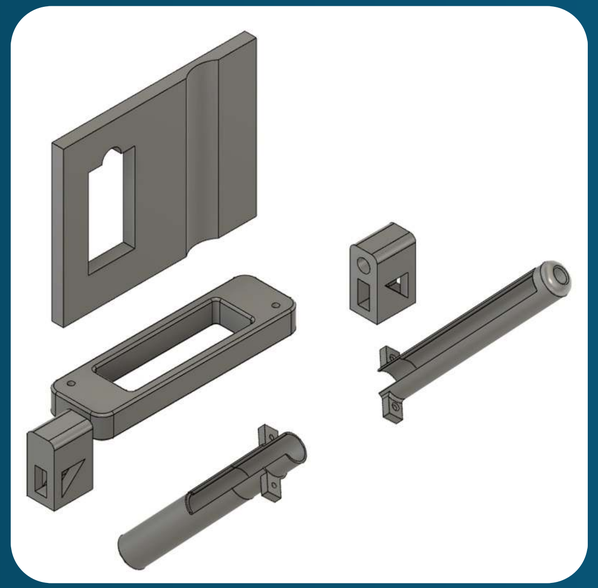


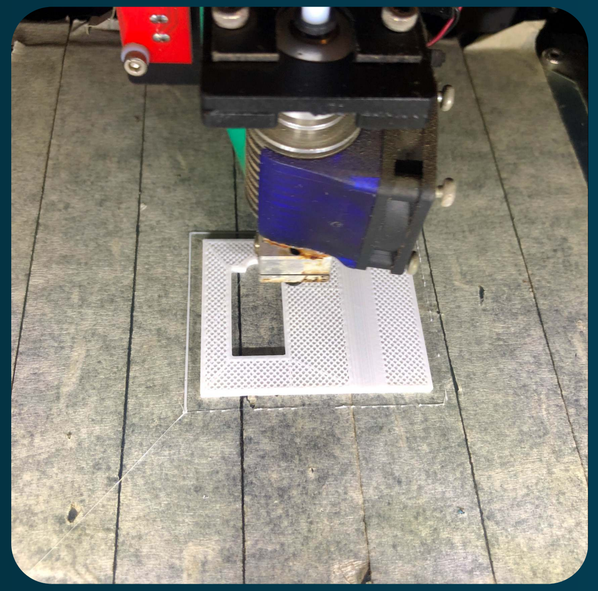
The Arduino UNO is one of the best tools that I've learnt to use. It is so flexible and easy to use. It helps me use technology and sensors easily and reliably to express my ideas. Many different sensors can be connected to the Arduino to collect different. For my project Ive used a light sensor and a led to read the turbidity of water. A sound sensor can be used to sense sound level and the arduino can be used to control different motor like DC and servo motors to add a little movement to your projects.

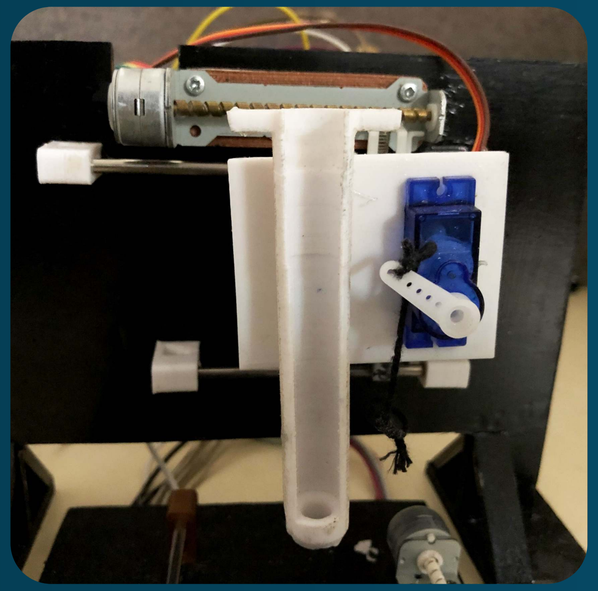
CNC PLOTTER

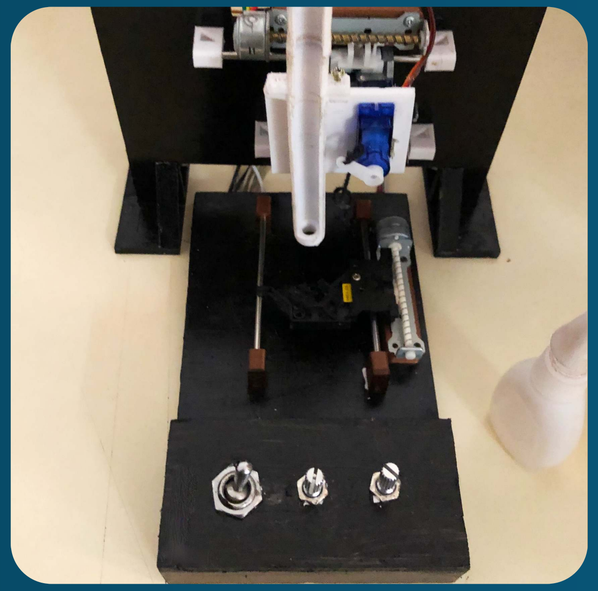
I made a CNC plotter using an Arduino Uno and a few spare stepper motors from old optical disc drive. And I used a servo motor to control the pen(z-axis). The other parts for the plotter were 3D printed and Processing software was used to convert an image to a step file and control the Arduino.





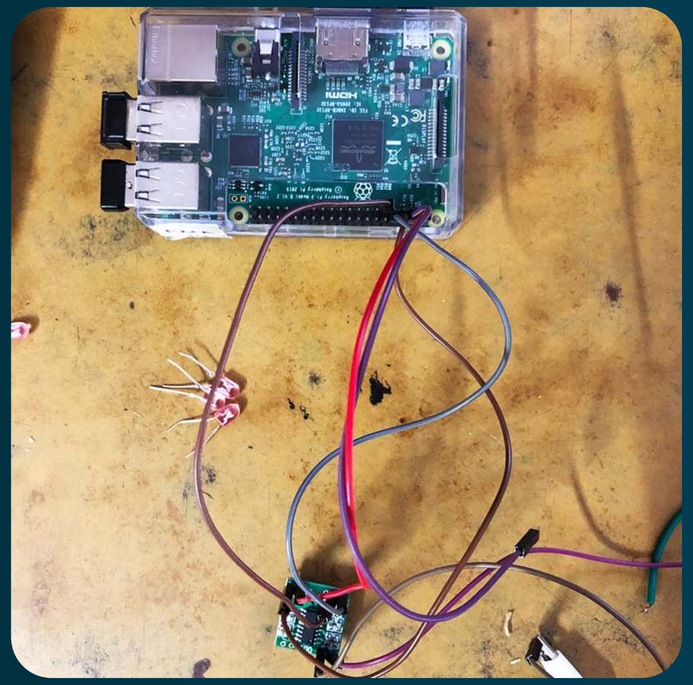


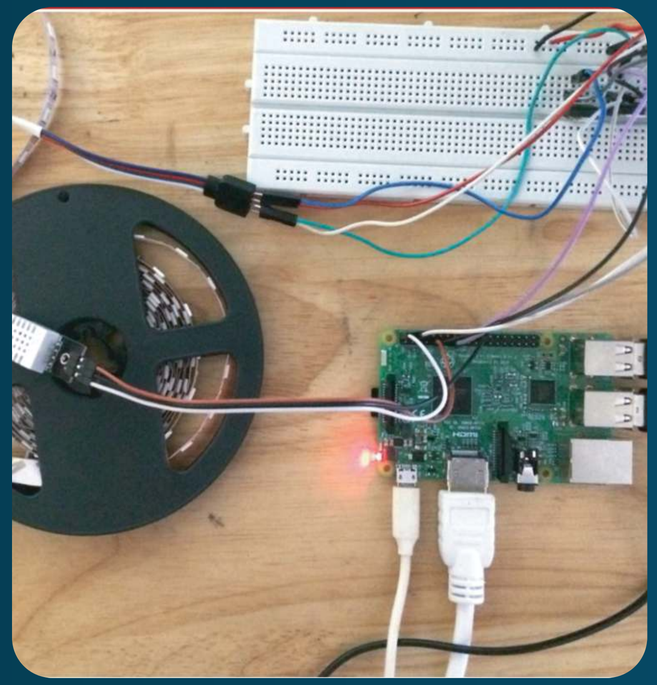


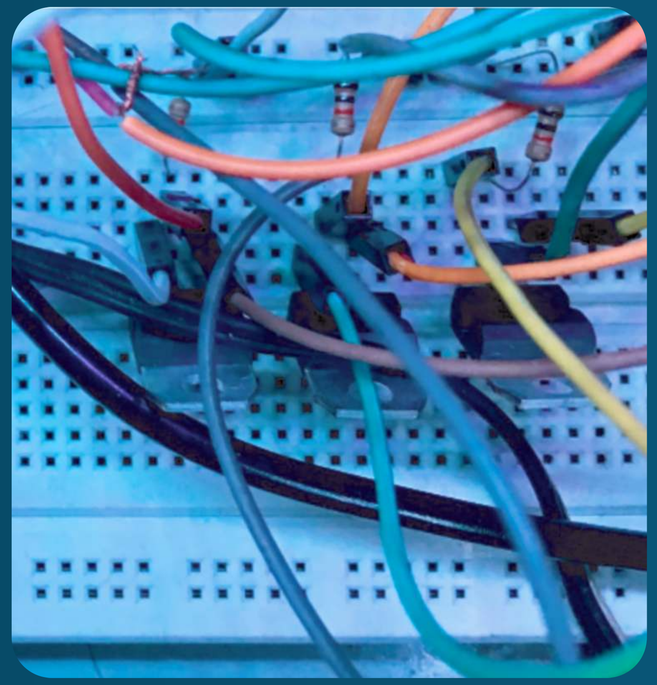


TECHNOLOGY

RASPBERRY PI



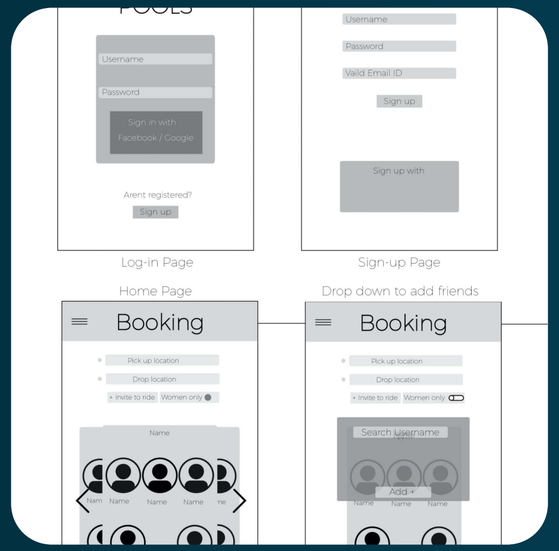


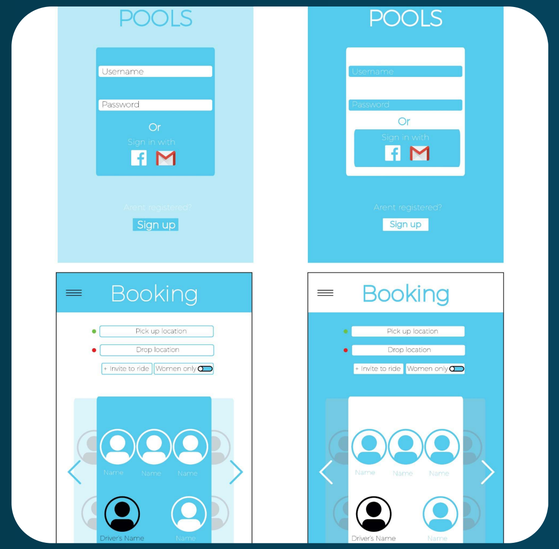


Raspberry Pi is a microprocessor that is basically a small portable CPU. It is used in projects that need a lot of processing power that cannot be achieved using the Arduino. The raspberry Pi also has inbuilt WiFi and bluetooth that makes it convenient to use. The Raspberry Pi is basically a small computer that can be used in projects. The raspberry pi is easier to use than the Arduino as it has wifi and a display output so it can be used to connect to the internet easily to send data back and forth. We used the Raspberry Pi here to monitor the temperature of a person sitting on the chair and light up the leds according to the temperature of their body.

WEB AND APP DESIGN

Websites are one of the most easily accessible modes of art, information, entertainment, etc. I've learnt how simple it is to make a website using html and css alone. I also learnt about all the work that goes behind a website/app in terms of user research, personas, user testing, mood boards and wire framing . It is also really easy to upload a website online just by buying a domain name/hosting and using CyberDuck to upload the contents of the website online. In terms of coding I know Html, css, Jquery and a little bit of php. I have also worked with Wordpress and Shopify websites for my clients. I have learnt a lot on how to design and build websites myself.





Age:
37-years-old

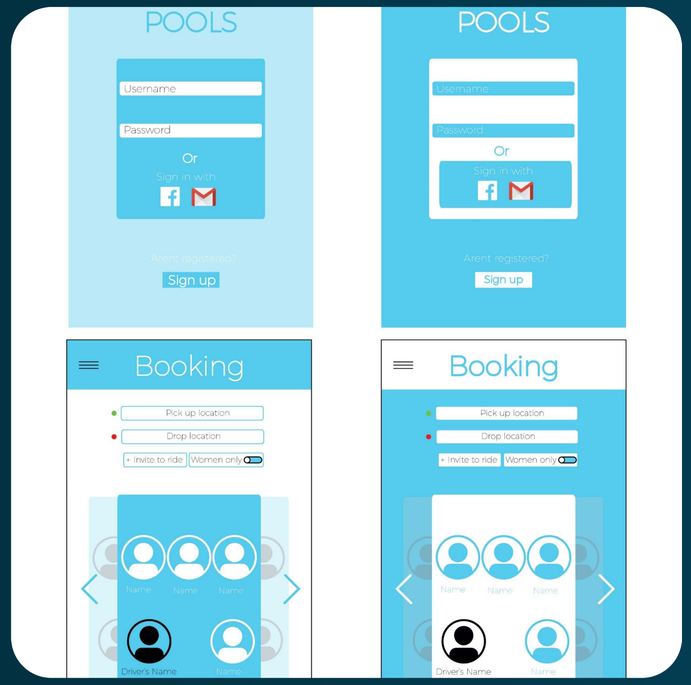
Occupation:
Project Manager in IBM

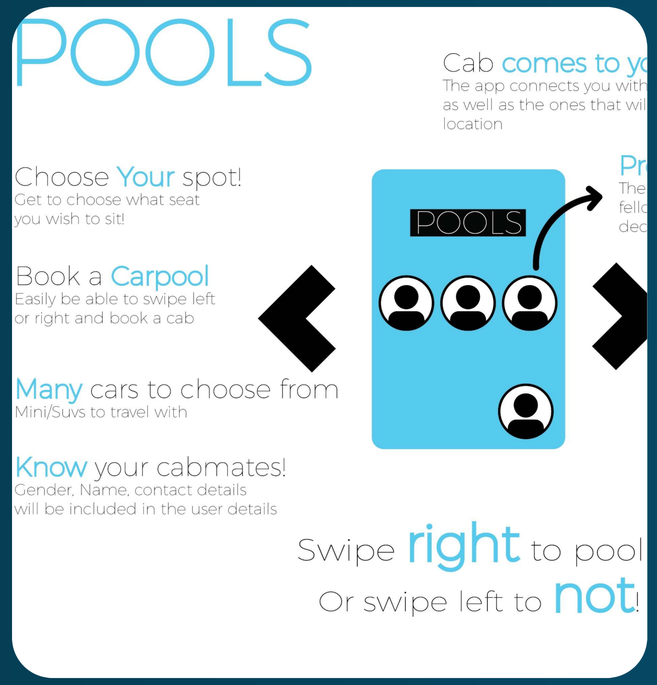
Problem:
Finding an eco-friendly, efficient, and safe way to travel.

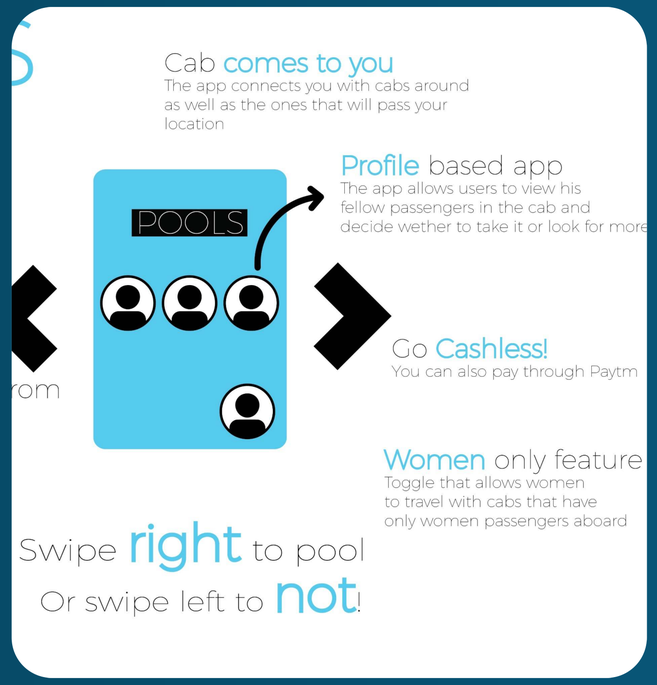
Arman Singh is a 37-year-old man who works is a project manager in IBM. He lives in an apartment in Hebbal with his wife and daughter. His daughter and him volunteer at an animal shelter every Saturday from 10am to 5pm. They both are environment conscious people and don't want to take their car to the shelter just for the both of them. There are no direct busses from their locality to Indiranagar where the shelter is located. He wants to find people to car pool with but there is nobody taking the same route. Sometimes he cannot go to the shelter due to his professional commitments and his daughter has to go alone. He finds it difficult to arrange transport for his daughter due to safety reasons. He wants to find an easy, eco-friendly, efficient and safe way to travel.

WEB AND APP DESIGN

POOLS APP







Pools is a public transportation app that is designed to help make public transportation more convenient. I worked with a group in developing this prototype app. The group members are Smaresh, Deepika and Pooja. The app lets you choose the car, the people you travel with, carpool and lets you choose the seat that you want in the car. We used Marvel for the final prototype of the app.

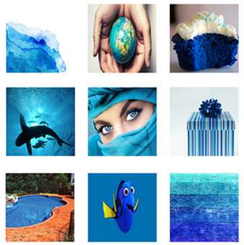
POOLS APP

This is the mood board, task flow and personas that we created for the pools app.

Pools

Color:

Typography:
Montserrat



Avantika Subramanian

Age: 19-years-old
Occupation: College Student
Location: Bangalore, IN

Goals:
-To find a convenient way to travel.
-To save money.
-To find cabs that are safe to use and women friendly.

Frustrations:
-High travel costs.
-Safety issue related to cabs.
-Inconvenient and unreliable public transport.

Bio:
Avantika is a 19-year-old college student who has to travel to her French class in Indiranagar three days a week after college hours from Yelahanka New Town. She does not know anybody else in her surrounding area that takes the same route at the same time. She tries to use public transport as much as she can but the time schedules are not reliable or accurate and she ends up getting to the class late. It is too expensive for her to take a cab to and fro, as she has to manage with a monthly allowance. She has heard of sharing cabs with other users going to the same destination, but she and her parents worry about her safety as they do not know about the driver or whom she will be sharing the cab with. She wants to find an easy, safe, and affordable way to travel.

Arman Singh

Age: 37-years-old
Occupation: Project Manager in IBM
Location: Bangalore, IN

Goals:
-To find a safe way to travel for his daughter.
-To be environmentally friendly.
-To car pool.
-To find an easy, efficient means of travel.

Frustrations:
-No direct busses from their locality to their destination.
-Safety issue related to cabs.
-Having to use the car to travel for just one or two people.

Bio:
Arman Singh is a 37-year-old man who works is a project manager in IBM. He lives in an apartment in Hebbal with his wife and daughter. His daughter and him volunteer at an animal shelter every Saturday from 10am to 5pm. They both are environment conscious people and don't want to take their car to the shelter just for the both of them. There are no direct busses from their locality to Indiranagar where the shelter is located. He wants to find people to car pool with but there is nobody taking the same route. Sometimes he cannot go to the shelter due to his professional commitments and his daughter has to go alone. He finds it difficult to arrange transport for his daughter due to safety reasons. He wants to find an easy, eco-friendly, efficient and safe way to travel.

POOLS

Avantika Subramanian 19yrs

Booking a cab

Home
Booking page (GPS Facility)
Car option
Swipes Left
New car option
Swipes Right
Swipes Right
Seat selection (1 / 2 / 3)
Confirm booking
Ride

Pooling with a friend

Home
Booking page (GPS Facility)
Invite friend to ride
User search
Car selection
Seat selection
Confirm booking
Ride

Panic button

On ride page
Press panic button
App sends Location and Alerts emergency contacts with a message

POOLS

Arman Singh 37yrs

Setting up profile

Home
Go to my Profile
Enter Name, Password & Username, Enter Gender, Age, Email ID, Phone No., Interests
Save Information

File a complaint

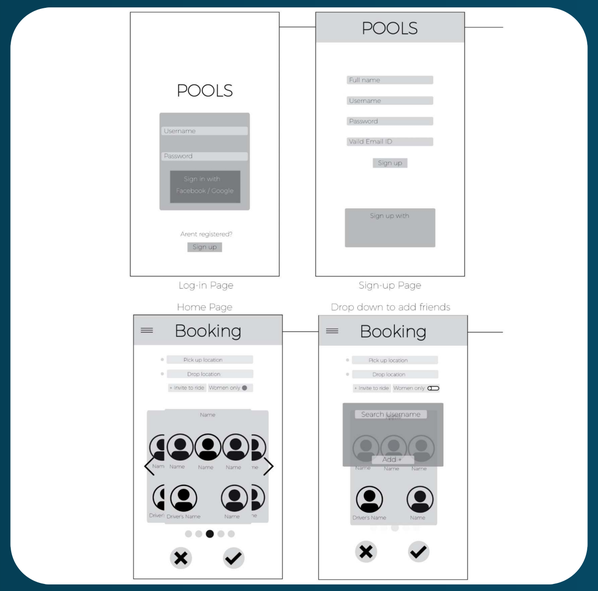
Home
Support Page
Clicks safety
Chooses type of complaint
Writes complaint
Send

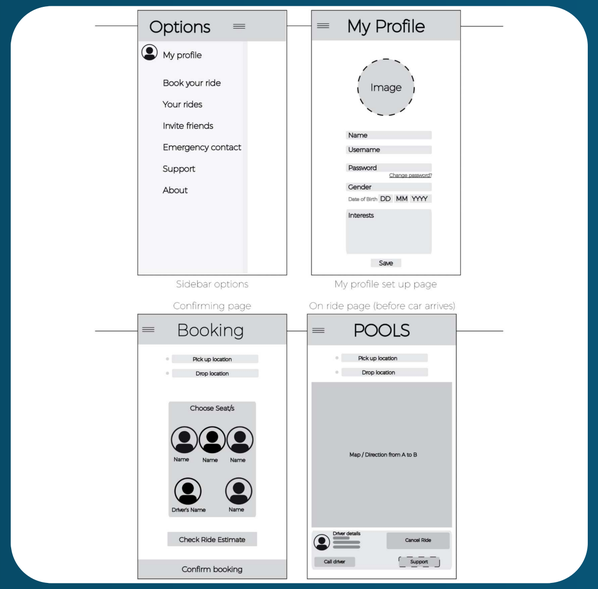
Price estimate

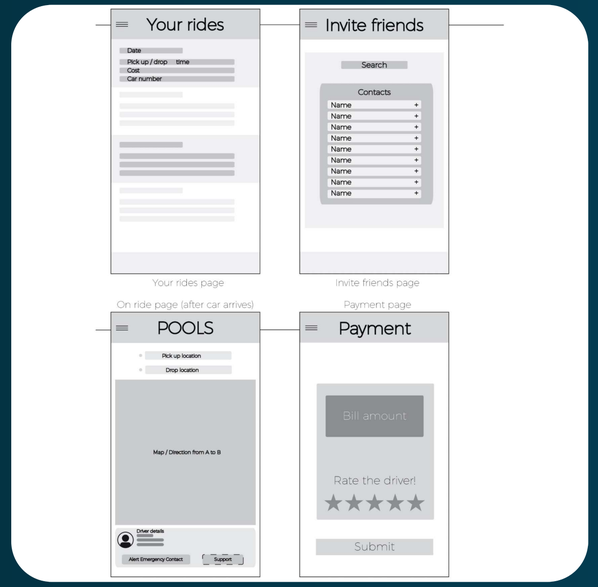
Home
Confirm current location
Enter's Destination
Seat selection
Clicks on price estimate

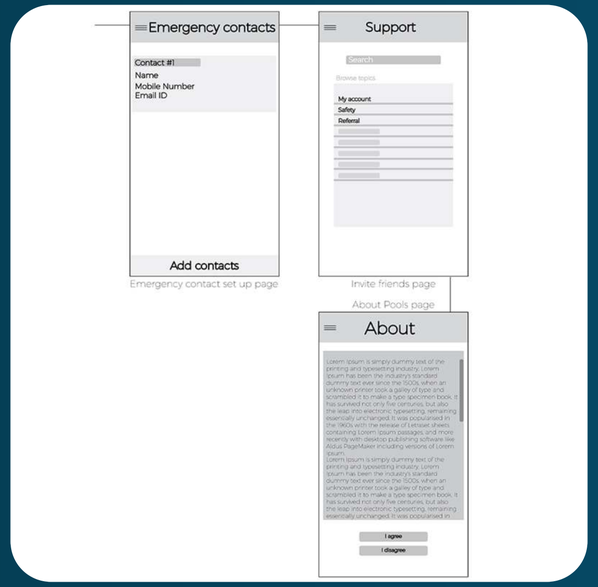
POOLS APP

Wireframes for the pools app.



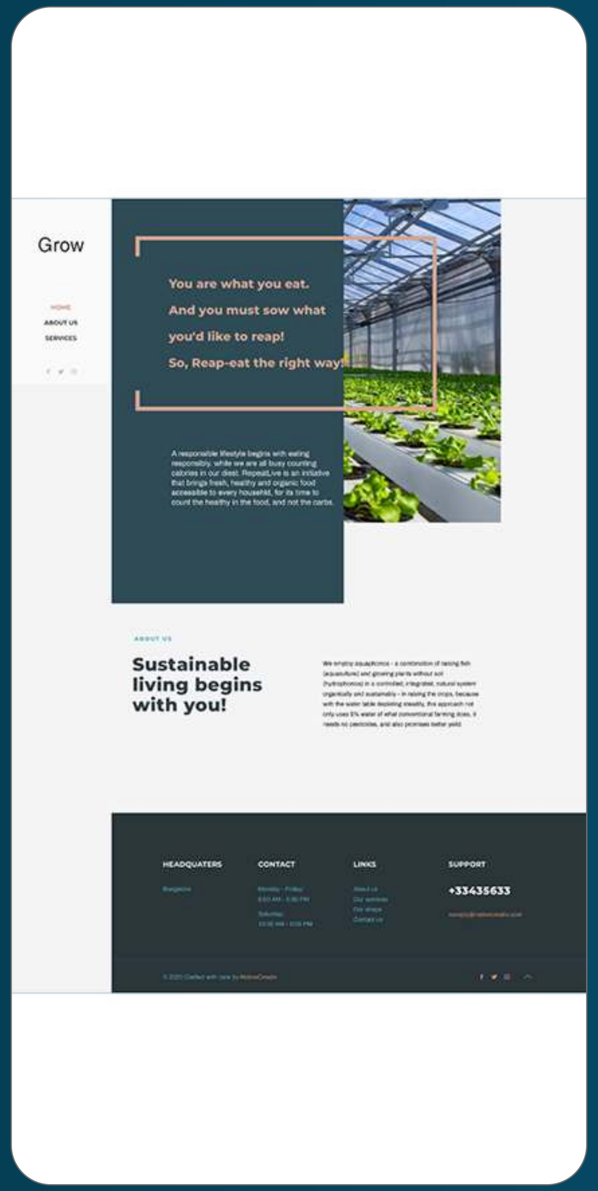






WEB DESIGN

Here are some websites that Ive worked on.



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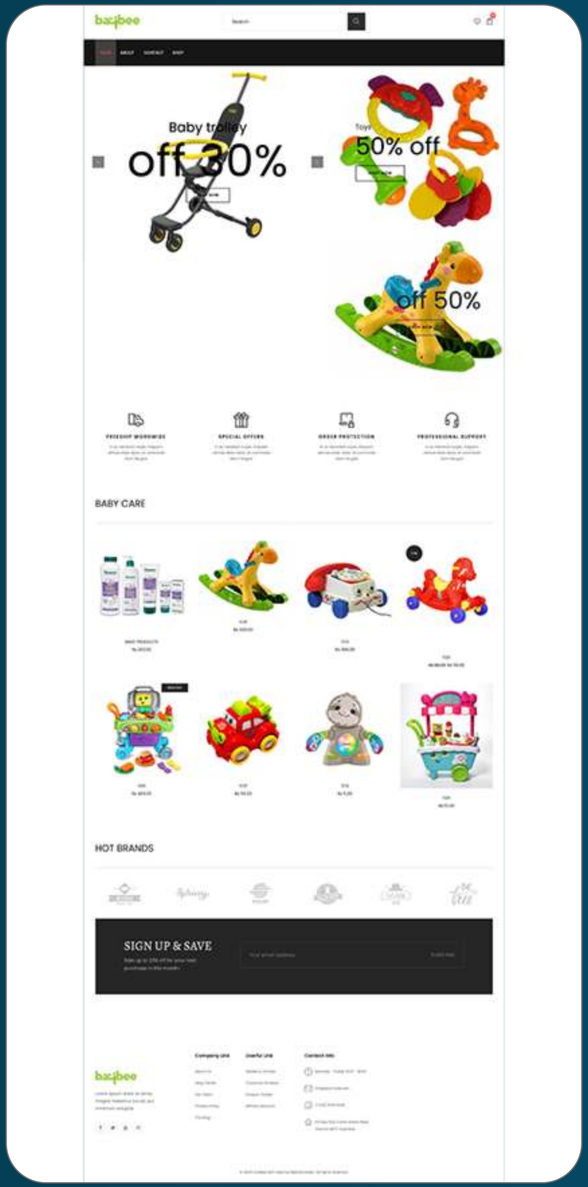


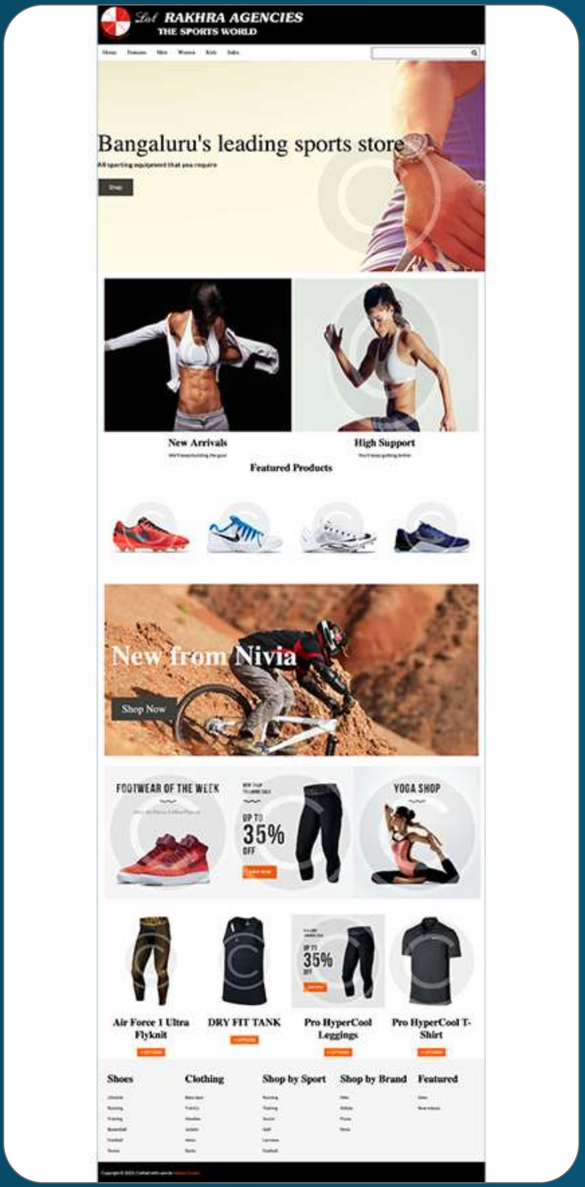
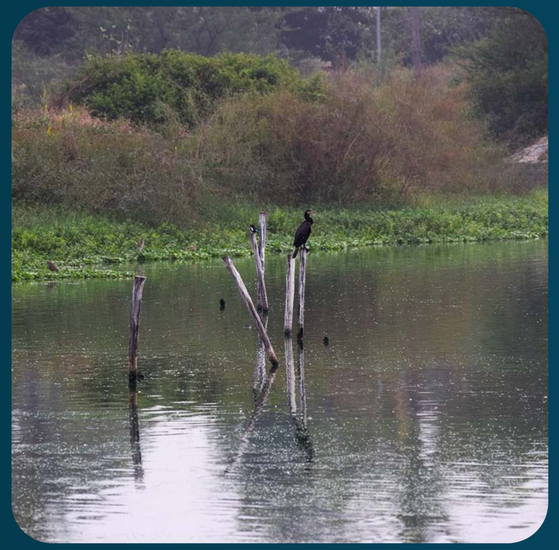
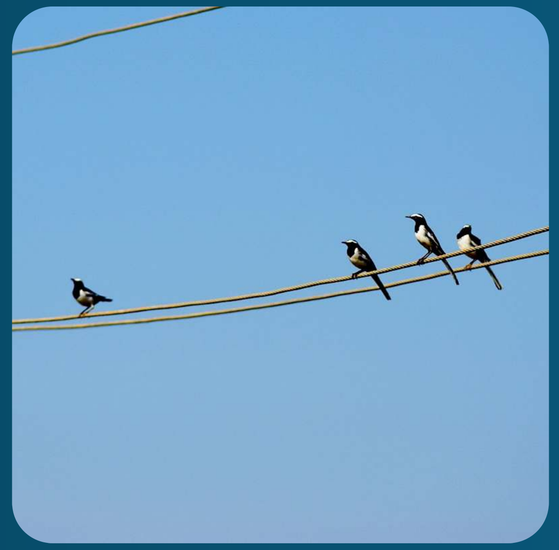


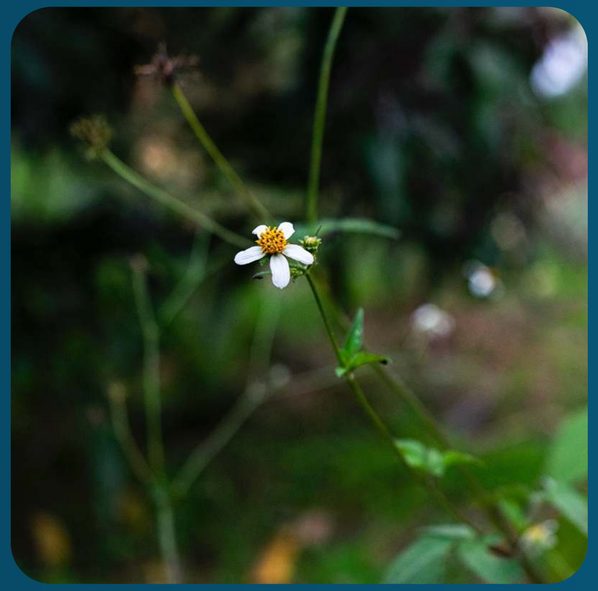
PHOTO AND VIDEO

Photography is one of my favourite hobbies. Here are some of the photos that I've shot. I've been practicing photography for a few years now, and I've been really interested in it after getting my first DSLR. I love taking pictures of nature and landscapes. I also learned how to shoot and edit videos. I recently learnt how to edit greens screen videos using blender.

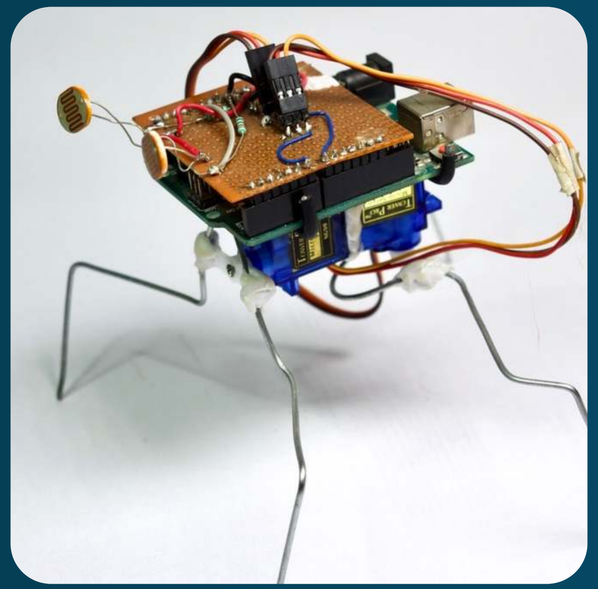
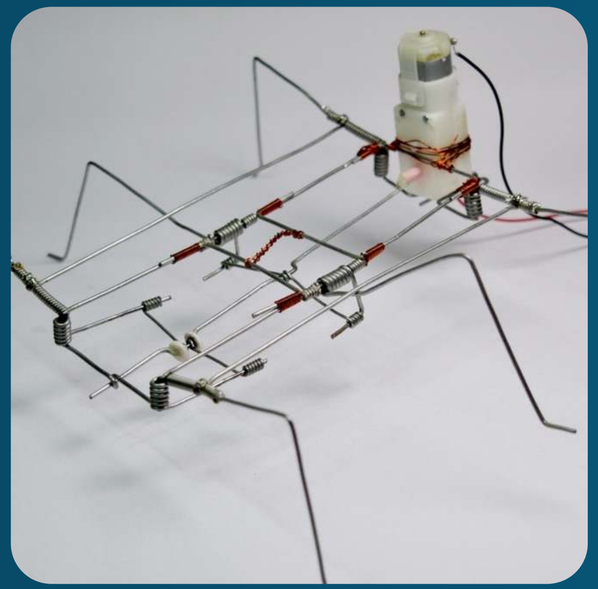
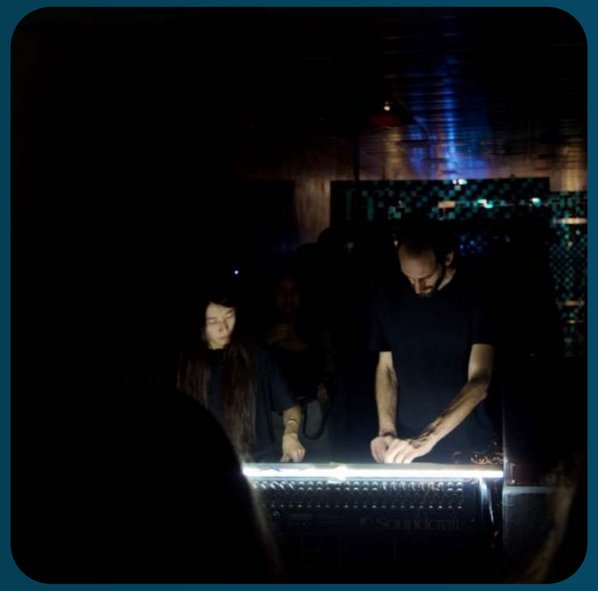
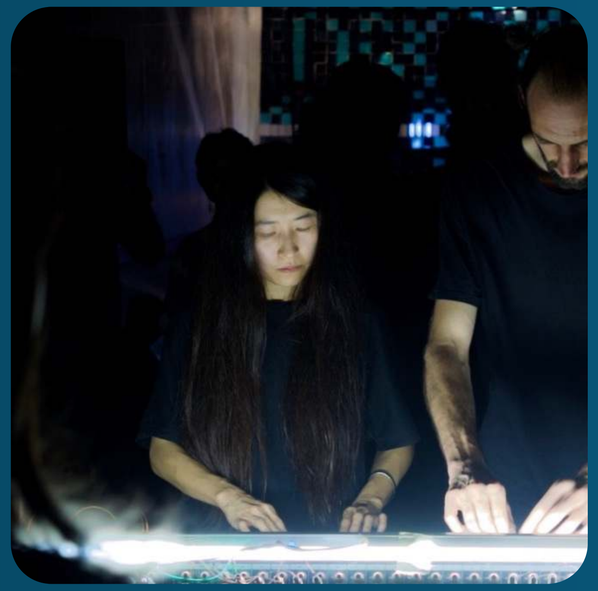




JCB
JCB



ADJUST
G-SHOCK

RESET
G-SHOCK

RESET
G-SHOCK
CASIO