

**Portfolio:** Info on all projects is included.

**Atharva**

(Patent, Apps, Other Creative Projects)

You can Visit links provided by clicking or  
ctrl+clicking 😊

In case you have any doubts or issues, you can email me at [atharva2628@protonmail.com](mailto:atharva2628@protonmail.com) or call  
+91 80970 16489

# Patent:

**Single Stage to Orbit Rocket Engine (India Patent Application No. 202121035262)** – A rocket engine which may enable SSTOs, doesn't need staging (so low risk of failure).

It solves (or seeks to solve) the cooling problem with aerospike nozzles.

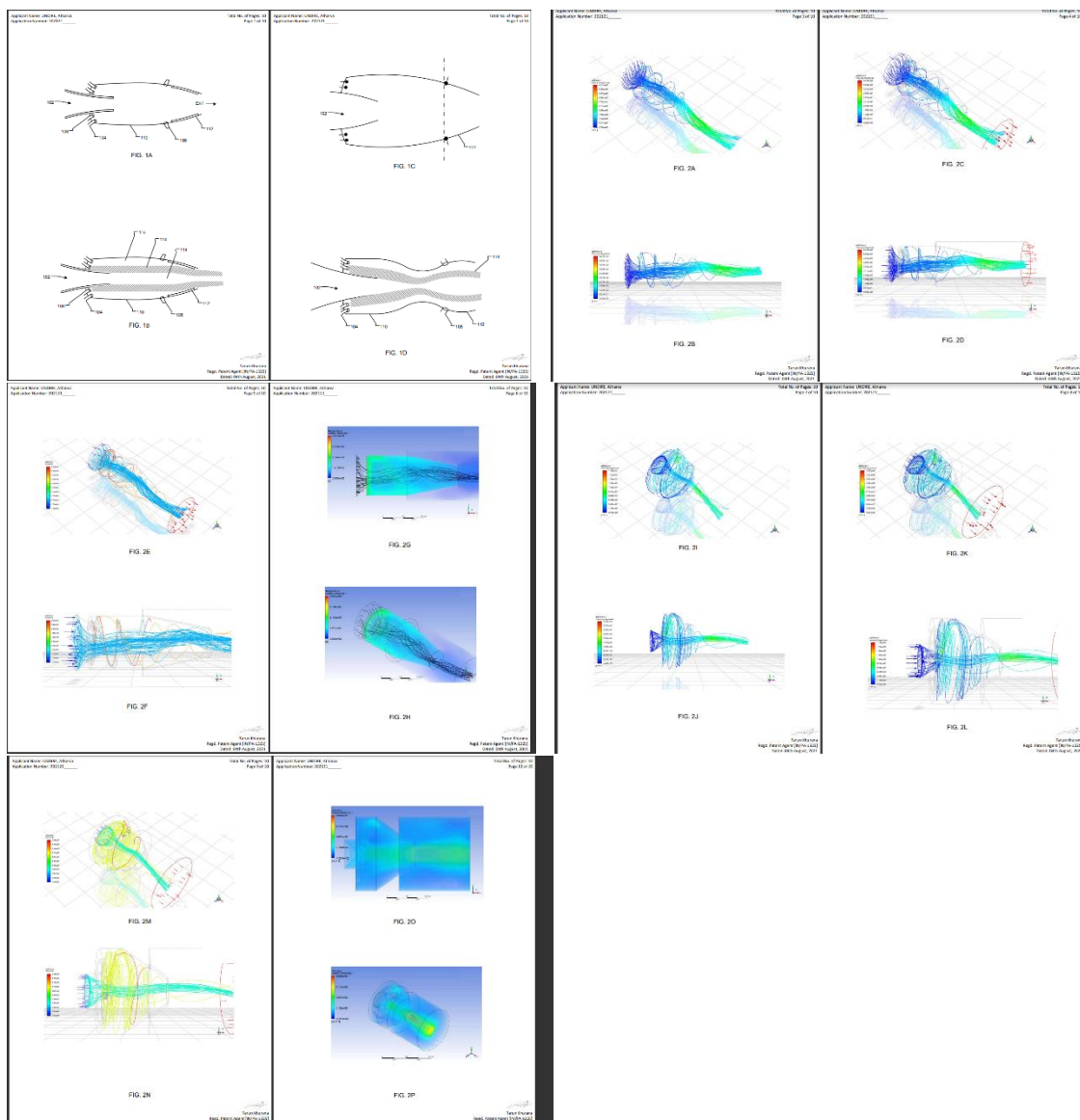
Essentially, it is a 'Vortex-based Virtual Aerospike' that is formed by using a set of vortices and a column of air, so that the aerospike itself is made out of air (you can think of it as a 100% truncated aerospike).

And of course, you don't need to cool air, like you would with metallic surfaces.

I have run simulations to make sure that the concept works. Visit

[https://drive.google.com/drive/folders/1tFkVClnZ7o\\_XFiyEd4qqDXeNBO\\_FGDWj?usp=sharing](https://drive.google.com/drive/folders/1tFkVClnZ7o_XFiyEd4qqDXeNBO_FGDWj?usp=sharing) for the Complete Specifications (technical write-up) and drawings (Images)

(You can also visit inPass at <https://ipindiaservices.gov.in/publicsearch/> and click Application Status, then enter 202121035262 in the search)



## Apps:



**unCentral** – available on iOS and Android (works best on iOS).

unCentral is a complete social media app for sharing websites. Its intended purpose is the sharing of merch stores directly from content creators into the feed of the user, the sharing of news websites (which still enables news outlets to get ad revenue on their website unlike on platforms like FaceBook or Twitter where their news website would be rarely visited).

This enables users to post any format of media (Text, photos, videos, audio, or all together in the same post) unlike other platforms (Instagram – only photos/videos, Twitter – only text)

It is developed completely by me from scratch (frontend & backend both) (fullstack)

(frontend – React Native JS, backend – Supabase PostgreSQL DB)

iOS - <https://apps.apple.com/in/app/uncentral/id1588393449>

Android - <https://play.google.com/store/apps/details?id=com.uncentral.uncentral>



**Speil** - available on iOS only (works best on iOS), will soon be available on Android.

Speil is a complete social media app for making stories and sharing photos. (You might know the story game – a group of friends make outlandish and crazy stories by just adding 1 sentence to the previous one). Its intended purpose is for people to make funny and amazing stories, and share images.

It is developed completely by me from scratch (frontend & backend both) (fullstack)

(frontend – React Native JS, backend – Firebase noSQL DB)

iOS - <https://apps.apple.com/in/app/speil/id1591424768>

Android – Not yet launched (You may have to search the name “Speil” and look for a white coloured icon with a green logo)



**FileVile** - available on Android only, will soon be available on iOS.

FileVile is a Medical Database meant for patients to keep a track of their medical file, and doctors to be able to access it at the tap of a button. The medical data collected through FileVile can be used to conduct large scale medical research by medical institutes, corporations, universities or individual doctors.

It is developed completely by me from scratch (frontend & backend both) (fullstack)

(frontend – React Native JS, backend – Supabase PostgreSQL DB)

Android - <https://play.google.com/store/apps/details?id=com.filevile.android>

iOS – Not yet launched (You may have to search the name “FileVile” and look for a blue coloured icon with a ‘flask-shaped’ logo)



**GuessRGB** - available on iOS and Android (works best on iOS).

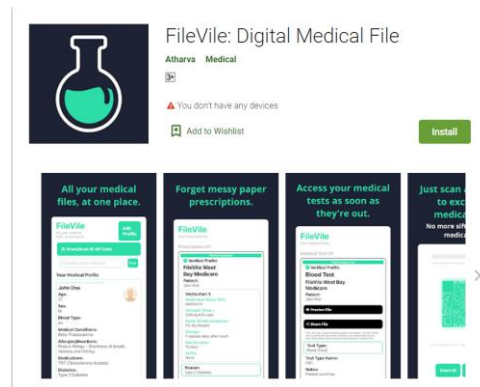
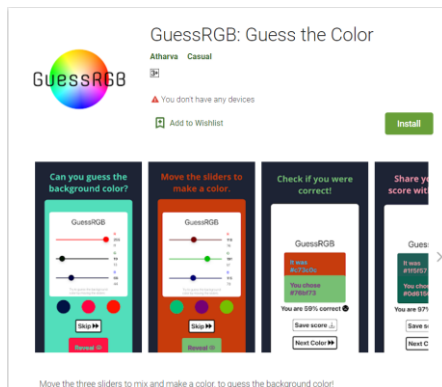
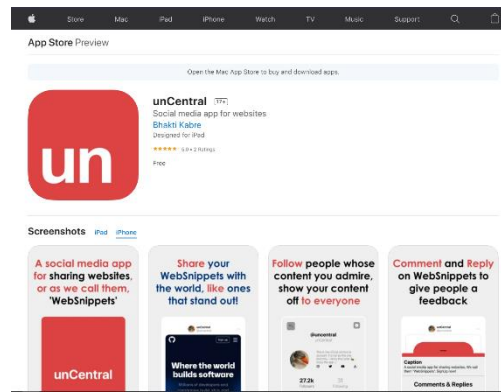
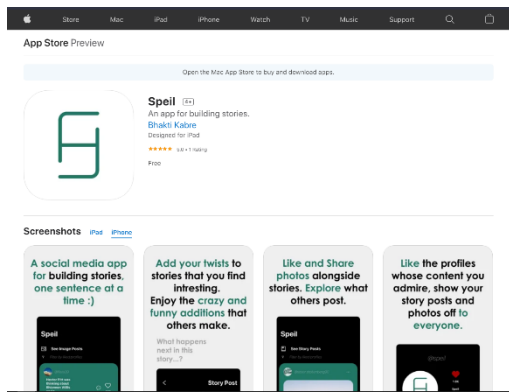
GuessRGB is a casual & offline colour guessing game designed for kids.

It is developed completely by me from scratch (frontend & backend both) (fullstack)

(frontend – React Native JS, backend – React Native JS (no DB))

Android - <https://play.google.com/store/apps/details?id=com.guessrgb.android>

iOS – <https://apps.apple.com/us/app/guessrgb-guess-the-color/id1618221788>



(SCREENSHOTS INCLUDED IN PORTFOLIO)

*You will see the developer as 'Bhakti Kabre' on iOS, she is my aunt (I am only 17 so Apple does not allow me to create a developer account) Although the apps are fully developed by me. (You can read the descriptions of the apps – it states this)*

## Other creative projects:

### Music Production:

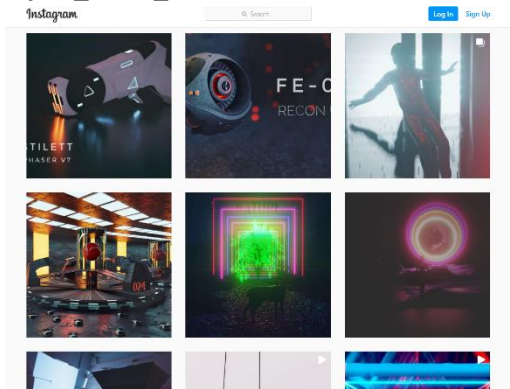


Spotify Link:

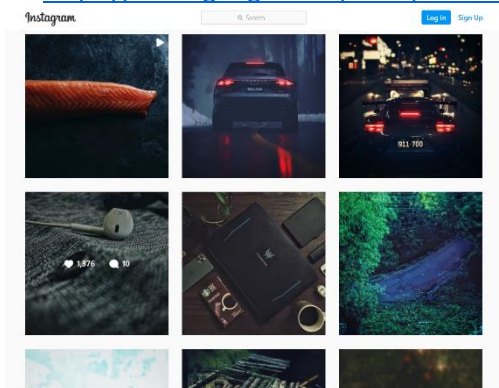
[https://open.spotify.com/artist/7ITKLi8AX0EZiKulzXB5Ux?si=JYOy\\_HrvQ8ueAX9j79HxFw&nd=1](https://open.spotify.com/artist/7ITKLi8AX0EZiKulzXB5Ux?si=JYOy_HrvQ8ueAX9j79HxFw&nd=1)

Produced multiple original beats, some of them uploaded to Spotify, Apple Music, SoundCloud and all other major platforms.

**3D modelling, Rendering, VFX, etc. in Blender** – you can find a few projects on IG **@just\_some\_renders**



**Photography/Videography & Editing** – you can find them on IG **@atharva\_raje\_me** and a few edits on <https://drive.google.com/drive/folders/1hgqxXgDgBjCS9MU2I79DaL4bP-zQpLxZ?usp=sharing>



**Cardistry** - Sleight of Hand ('magic') and Speed Cubing

**Ethical hacking** – OSINT, basic scripting, wireless hacking, phishing, developing my own custom KeyLoggers/MouseLoggers, Trojan Viruses, Crypto Miners, etc.

This is a Trojan Crypto Miner I developed for Windows Machines -

<https://drive.google.com/drive/folders/1AbJw-RHW4XrtAEPsAXpBmvMq3n68AnNE?usp=sharing>

(DO NOT DOWNLOAD AND EXECUTE ON YOUR MAIN MACHINE, you can use a Virtual Machine, because it will install a miner in your Windows start-up folder)

(For White Hat Hacking purposes ONLY, please do not send this file in the wild)

**Programming** – AI machine learning algorithms on Python, JS for nearly everything else, Arduino for robotics, other languages like HTML, CSS, Java, SQL, JSON, VBS, Assembly, Batch, etc for some tiny projects or tiny parts of massive projects.

Also, I have made a few fun little minigames in p5.JS:

Physics engine on gravity - <https://editor.p5js.org/Atharva2628/full/b1xFTYB6>

Snake Game - <https://editor.p5js.org/Atharva2628/full/PC-5gDAP9>

PONG Game - <https://editor.p5js.org/Atharva2628/full/9raF47FWT>

(You will have to click on the game's screen with your mouse first)