



# **BHARAT का METAVERSE** **BharatVerse**

**LitePaper**



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# Introduction

BharatVerse is a virtual world that attempts to mirror and mimic the real-world geographical entity known as India in the metaverse. Participants in the BharatVerse can acquire rights to virtual 'Plots' within the BharatVerse and use them to showcase and/or monetize as they deem fit. These virtual 'Plots' will be correlated with actual geographical locations making it possible for the owners to develop additional products and services that can be stacked on top of the existing BharatVerse platform.

## Synopsis

*"[India is] the One land that all men desire to see, and having seen once, by even a glimpse, would not give that glimpse for all the shows of all the rest of the globe combined." - Mark Twain*

The land of Bharat (India) has a rich history and legacy that extends from the Indus valley to the Silicon Valley. Every inch of its geography is filled with breathtaking experiences and stories. Every moment in its glorious history is rich with learning and knowledge. However, most people barely get to experience a tiny minuscule portion of it. Even the most avid traveller can only manage to catch only the briefest glimpse of this glorious vista in one lifetime. The wonders of this nation often remain mysterious and inaccessible for most Indians, let alone the rest of the world!

What if we told you there was an easier way to access all of this history and geography?





## Enter the BharatVerse.

"BharatVerse" is a metaverse built as a virtual equivalent of India, open for participation to anyone with an interest in showcasing the land of Bharat. Yes, it is an obvious wordplay on the terms "**Bharatvarsh**" and "**metaverse**". We hope and expect that a metaverse built around the nation of Bharat should be as rich in opportunity as its geographical equivalent, if not richer.

The primary aim of constructing this metaverse is to develop a platform to showcase the expansive history, geography, and culture of India. This platform also intends to provide opportunities to promote the local arts and culture by integrating various products and services on top of the BharatVerse technology stack. Details about these integrations can be found in the [Developments](#) section of this document.

This document is an attempt to outline the various aspects about the proposed metaverse (such as the [vision](#), the [mission](#), the [ecosystem](#), the [roadmap](#), etc.) for further propagation. Any [feedback/suggestion](#) on how to improve it is most welcome.

## Description

Bharat has always thrived on sustaining novel efforts - be it civilizations or startups. From the Indus Valley to the Silicon Valley, every moment in time and every square inch of space pertaining to this land is rich with stories. It is these stories we hope to unearth with the BharatVerse project.

The premise of BharatVerse is relatively simple. The entire map of India will form the boundaries of the virtual BharatVerse. Within this virtual map of India, various geographical locations will be available as pre-defined grids for 'occupation' within the metaverse. These predefined grids will closely mimic the actual geography of India as much as possible. Within each predefined grid, Tiles and Plots shall be made available as per the definitions given in the section titled [Entities](#).

The project will initially focus on Arts & Culture, History, Architecture, and Food. Initial offerings planned for the BharatVerse have been described in detail in the section labelled [Ecosystem](#).

The BharatVerse project plans to launch tentatively to the public in Q2 of 2022, with a view to revealing ourselves to the wider audiences on the auspicious occasion of India's 75th anniversary of Independence. Details about the launch and the planned roadmap are available in the section titled [Roadmap](#)



# Official Links

These are the ONLY official links to the various online assets of BharatVerse project. Any link that is not included in the following table is, by definition, unofficial and/or might likely be fake.

Platform	URL/Status
Website	<a href="https://bharatverse.xyz">https://bharatverse.xyz</a>
ENS	<a href="https://bharatverse.eth">https://bharatverse.eth</a>
Telegram	<a href="https://t.me/bharatverse">https://t.me/bharatverse</a>
Discord	<a href="https://discord.gg/TAJwe7gbe4">https://discord.gg/TAJwe7gbe4</a>
Facebook	<a href="https://www.facebook.com/bharatverse.xyz">https://www.facebook.com/bharatverse.xyz</a>
Instagram	<a href="https://www.instagram.com/bharatverse_xyz/">https://www.instagram.com/bharatverse_xyz/</a>
Twitter	<a href="https://twitter.com/bharatverse_xyz">https://twitter.com/bharatverse_xyz</a>

NOTE: Information about the BharatVerse project will only be released through one (or more) channels mentioned in the above table. The [Core Collective](#) will update this page from time-to-time with newer links as needed. Please connect with the BharatVerse project using ONLY the links mentioned on this page.



# Vision & Mission

## Vision

In simple words, we envision BharatVerse as a collaboratively built virtual Bharat where every square metre of the real Bharat can be showcased as it exists. It shall be built on the three-pronged principles of Collaboration, Creativity, and Contribution, which are defined as follows:

- **Collaboration:** The BharatVerse is collaborative by default. The underlying mantra of the BharatVerse project is the same as the one that drives the notion of democracy - “of the people, for the people, and by the people”
- **Creativity:** The immediate applications for BharatVerse are largely creative - specifically, virtual tourism and showcasing local arts & culture.
- **Contribution:** A portion of any revenue earned on BharatVerse shall be circulated back into the local economy in real life (IRL).

## Mission

The BharatVerse aims to:

- Provide a virtual space to explore every inch of Bharat from the comfort of their homes and offices
- Provide a virtual platform to showcase the local art and culture.
- Provide a secondary revenue-source for BharatVerse participants through an innovative revenue-sharing mechanism.
- Provide virtual equivalents of IRL-space to stake 'property-claims' that can be further 'developed'.

BharatVerse has a simple mission - to design, develop, and display the best versions of Bharat i.e., India as it exists or can exist in the future. And, just as it took an entire population to create the Bharat that exists today, we are hoping to enlist the help and support of several people who can come together to make the BharatVerse a success.



# Participants

Anybody is welcome to participate in BharatVerse. The eventual organisational structure will be a decentralised autonomous organisation (DAO). However, we initially plan to implement a 3-tiered structure to ensure smooth deployment and running of the BharatVerse. This structure is broadly summarised as below:

- **The Core Collective:** This is the group of people involved in the founding of this project and their names and details are available in the [People](#) section of this document. The Core Collective retains ultimate vetoing powers in all decisions pertaining to the BharatVerse **at the moment**.
- **The Stakeholders:** This is the group of people who are involved in the day-to-day operations of the BharatVerse. These members will work closely with the Core Collective to execute any actions necessary for the BharatVerse to operate smoothly. There are several openings available in the Stakeholders group and if you think you should be part of this project, please do get in touch using the [Official Links!](#)
- **The 'Bhartizens':** Anybody who wishes to participate in the BharatVerse can become a Bhartizen by acquiring any of the offerings in the BharatVerse [ecosystem](#). Acquisition can happen through several methods as explained under the [Acquisition](#) section of this document.

Collins Dictionary defines an */atithi/* as a visitor is someone who is visiting a person or place. Therefore, a visitor to the BharatVerse shall be referred to as an “**atithi**”.



# Ecosystem

## Entities

The core idea of the BharatVerse is for it to mimic the structure of Bharat as closely as possible. With this initial deployment, we intend to maintain a one-to-one relationship with the physically equivalent geographies so as to build a solid platform from which further development can occur. Therefore, the shape and extent of the BharatVerse shall be identical to the existing map of India.

Furthermore, just as Bharat is constituted into different geographical regions, we intend to create similar 'boundaries' within the BharatVerse. These boundaries shall be correlated 1-to-1 with their geographical equivalents using the globally accepted latitude and longitude i.e., GPS markers. The boundaries thus established will be used to designate parcels of 'virtual' land for purchase.

Such parcels, which we are calling 'Tiles' and 'Plots', are to be defined as below:

## Tiles

A '**Tile**' is the smallest unit of the BharatVerse. Like most units found in metaverses elsewhere, a Tile is a perfect square. The boundaries of the Tile will be defined as per the coordinates given by our map-partner. In simple terms, a '**Tile**' is a square-shaped virtual area of BharatVerse that mimics the properties of an actual parcel of land in the real-world.

Anyone can acquire a Tile using the methods outlined under the [Acquisition](#) section. Acquiring a Tile automatically makes you a 'Bhartizen'.

NOTE: A Tile is an atomic element of the BharatVerse while a Plot is a molecular element of the BharatVerse. There can be no further subatomic division of the Tile.

## Plots

A '**Plot**' is a contiguous collection of multiple Tiles (or Plots) that share at least one edge with at least one other Tile. Plots can be as small as two Tiles wide (or long) and as large as the entire area of Bharat(Verse) itself!

Plots in the BharatVerse are virtual equivalents of plots in the real world. Thus, a Plot can be residential, commercial, industrial, public, etc. A Plot is expected to correlate 1-to-1 with the larger city Plots that most of us have come to know and expect. Expanding on this definition, it follows that a city is a Plot of Plots, a district is a Plot of city-Plots, a state is a Plot of district-Plots, and the BharatVerse is a Plot of state-Plots.

## Acquisition

The minimum acquirable entity in the BharatVerse is a single unit Tile.





Since Tiles and Plots mimic the properties of land in the real world. Therefore, you can acquire either a single Tile or combine several of them to buy a Plot just as you would with land in the real world.

One can choose to buy the Plot on which an existing structure is already standing e.g. the Taj Mahal in Agra. The purchaser of the Taj Mahal Plot in the BharatVerse will then have the freedom to develop the Plot as they see fit, subject to conditions posted under the [Development] section.

At the moment, the only way to acquire a Tile (or a Plot) is to purchase it as a non-fungible token (NFT) from the BharatVerse - the same way you would, perhaps, execute a deed of sale when purchasing land from the government.

Eventually, we intend to make Tiles acquirable through trading from existing owners on marketplaces like OpenSea, Rarible, etc

#### **Additional Notes:**

A portion of the ownership of each Tile shall be automatically assigned to the person or entity owning its IRL equivalent. For instance, a person acquiring the Plot encompassing, say, the Tirupati Balaji temple shall share a portion of all revenue earned from the Plot with the trustees of the Tirupati Balaji temple. We are working with our legal experts to formalise the exact nature of this partnership/affiliation and will post more information in this section in the days to come.

## **Development**

Similar to the options you have after purchasing a Plot of land, the options after purchasing a Tile (or Plot) are endless. Below, we give a glimpse of the various integrations that can be stacked on top of a Tile.


In the real world, a Plot is often categorised as one of the following:

- **Residential:** houses, bungalows, residential complex, multistorey apartments, etc
- **Commercial:** shops, mall, stadiums, etc
- **Industrial:** factories, warehouses, manufacturing, etc
- **Special Interest:** religious establishment, museum, archaeological place, etc
- **Public:** parks, roads, schools, colleges, airports, etc
- **Nature:** farm, jungle, river, individual hill, mountain range, lake, desert, beach, etc.

In the BharatVerse, you can develop anything on top of a Plot you have acquired. You can choose to replicate the existing structure or something in the same category or choose to build something entirely different! We typically advise the former but you can choose to do the latter if you so wish - the BharatVerse is *\*literally\** your oyster!

### **1. Partial Lease or Sale**

A person who has already acquired a BharatVerse Plot can resell sub-Plots - or even individual Tiles - within the larger Plot. As with the acquisition of the Plot, the sale of these will also be executed/registered in the form of a non-fungible token (NFT). The entire Plot can also be made available for resale.



Plots and/or Tiles can also be leased on a timed basis e.g., a public park Plot in the BharatVerse being leased to an event organiser for conducting a virtual wedding in the BharatVerse!

## **2. Virtual Reality [VR]**

The owner of any BharatVerse Tile can develop a VR simulation of the Tile (or any such associated content) and provide it as a product/service on top of the BharatVerse layer. This product/service offering shall be made available to all visitors (“Atithi”) of the BharatVerse for consumption.

For instance, a virtual tour of the Shaniwarwada in Pune can be offered to citizens interested in visiting it from the comfort of their own home. Creatively inclined individuals might even be tempted to create a reconstruction of the Shaniwarwada and offer it to visitors - the possibilities are literally endless!

## **3. Augmented Reality [AR]**

Existing locations can be augmented using CGI layers to provide additional information or 'completeness' to a Tile, Plot, or a portion thereof. This product/service offering shall be made available to all visitors (“Atithis”) of the BharatVerse for consumption.

For instance, the ruins of Hampi can be augmented with CGI to show an imaginative visualisation of how the city must have looked in its heyday. Or the translations of Samrat Ashok's edicts on his famous Stambhas can be provided in BharatVerse alongside the physical object in the real-world!

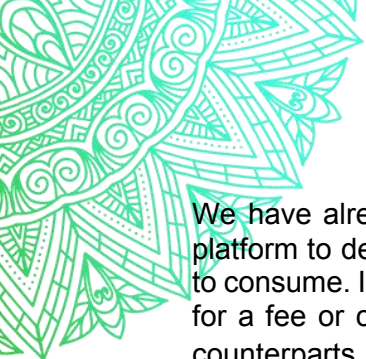
## **4. Tagging**

Since Tiles in the BharatVerse have a 1-to-1 correlation with the lat-long (GPS) coordinates, objects in the real-world can simply be 'tagged' and presented as a layer in the BharatVerse. The implications of this simple action are quite huge as this allows crowdsourcing of valuable information at vast scales.

For example, shops in a Tile encompassing a commercial area, such as Palika Bazaar or Sarojini market, can be given ratings and reviews. This, in turn, can be shared with the other Bhartizens & Atithis and can help them make better informed decisions.

## **Benefits**

One of the missions of the BharatVerse is to ensure that everyone interacting with the BharatVerse ecosystem can benefit from the transactions conducted within the ecosystem. While we explicitly encourage Bhartizens to invite and promote local talent on the BharatVerse platform, we are also taking steps to ensure that the benefits accrued in the BharatVerse can also be used to give back to the local economy.



We have already outlined how [Bhartizens](#) and [Stakeholders](#) can leverage the BharatVerse platform to develop various products, services, and offerings for other Bhartizens and Atithis to consume. It is very likely that some of these products and services shall be offered to Atithis for a fee or consideration. We hope to utilise a portion of this fee to benefit the real-world counterparts of the BharatVerse i.e., real-world owners of the corresponding geographical areas on which the BharatVerse Tiles and Plots exist.

We are currently designing a payout structure such that a portion of any proceeds from transactions in the BharatVerse shall be explicitly redirected to the corresponding real-world geographical entity. This will ensure that some part of the wealth generated in the BharatVerse will be shared with the local economy. We are working with senior crypto, legal, and taxation experts to draft a payout structure and policy that will be fair towards all relevant stakeholders within and outside of the BharatVerse while ensuring that it complies fully with the laws of the nation.

## Road map

Target	Action	Description	Status
Q2 2022	Launch Beta BV	Launch the project BharatVerse to start building the community	IN-PROGRESS
Q3 2022 (15th Aug 2022)	Land Sale Begin	Initiate land sale on 15th Aug 2022	WIP
Q4 2022	VR assets go live	Go live with first VR entity	WIP
Q4 2022	Public assets go live	People can start posting content and launching NFTs	WIP
Q2 2023	AR app go live	Go live with first AR based tourism	WIP
Q3 2023	BV Mall Launch	First central marketplace in BharatVerse	WIP



# People

## Rohit Srivastwa, Founder

Rohit Srivastwa is a serial entrepreneur in the domain of Enterprise Security and Secure Digital Transformation. Rohit is a published author and works frequently on matters of cybersecurity with various national & international stakeholders. He maintains a keen interest in upcoming technologies and has now pivoted into web3 and the metaverse with Project BharatVerse. Rohit is the brain behind the BharatVerse project.



## Ranojoy Adhikari



Ranojoy has 2 decades of experience in Engineering, Digital Transformation and Management Consulting. His interests include Indian art, culture and history. In BharatVerse, he has found a perfect blend of his interests and professional expertise. Ranojoy is the heart of the BharatVerse project.

## Alip Saha

Alip Saha is an award-winning game designer and programmer who comes with twelve years of experience in 3D game programming. He loves making (and has made several) AR & VR apps, interactive walkthroughs, blockchain apps, and -obviously- multi-platform 3D games. Alip is the backbone of the BharatVerse project.



**\*END\***