AR Car Viewer

BINARY BRAINS

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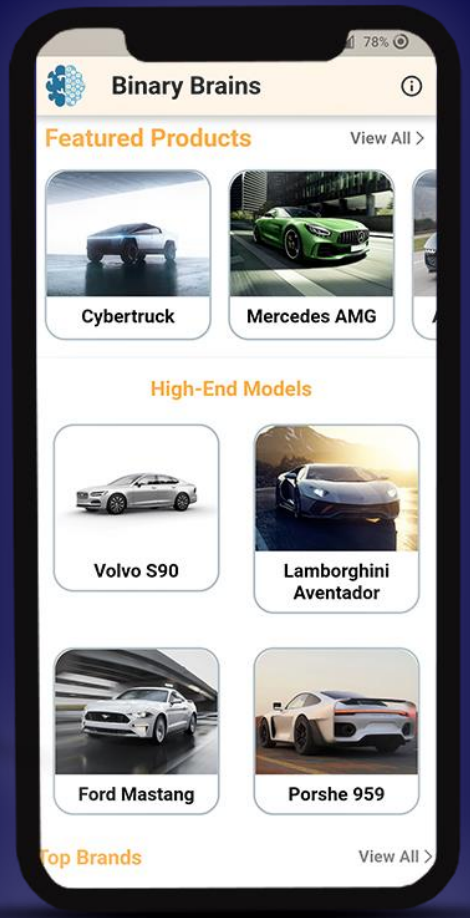
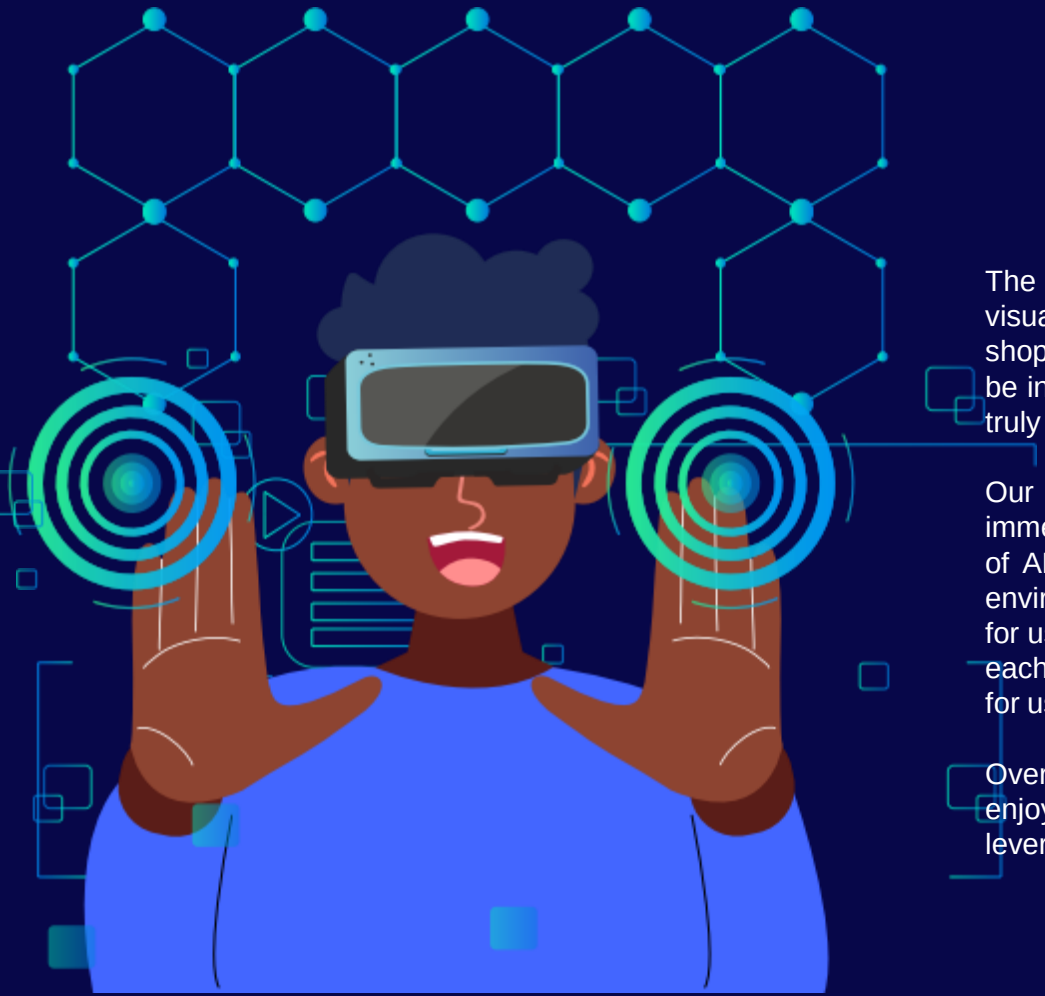
INTRODUCTION

We have built an app to address the inconvenience and lack of engagement that people experience when shopping for cars by providing a more immersive and interactive car shopping experience and by providing detailed information about each car in one place.

ABOUT THE APP

- The app is an Augmented Reality (AR)-based car viewing app developed using the Flutter framework.
- This app gives users the complete details of the vehicle and features augmented reality for that vehicle.
- It helps engineers and car designers understand more about the advancement of technology.





MOTIVE

The motive behind building our AR-based car shopping and visualisation app is to provide an enhanced and engaging car shopping experience to users. Traditional car shopping methods can be inconvenient and lack engagement, making it difficult for users to truly envision themselves in the car they are interested in.

Our app seeks to address these challenges by providing a more immersive and interactive car shopping experience through the use of AR technology. By allowing users to visualise cars in a 3D AR environment, our app provides a more realistic and interactive way for users to explore cars, and by providing detailed information about each car in one place, our app simplifies the car shopping process for users.

Overall, the motive behind building our app is to create a more enjoyable and efficient car shopping experience for users by leveraging the benefits of AR technology.

Difference Between Our App and Others

- We are using AR technology to view the app instead of 2D images, which attracts the attention of the users.
- Our app benefits from being viewed in a user-friendly environment where the user can decide if it suits him or not.
- Not only the outer details, but our app also provides more details about the interior of the car, letting users know more details about the vehicles they like.

WHY OUR APP ?

People may choose our app because:

1. We provide users with an app that is highly focused on the user's needs.

2. We don’t have a market competitor now who uses this technology for displaying different brands and models of vehicles.

3. Our app has the feature of displaying the car in the user's local environment, which helps them make correct decisions.

4. Aids researchers in gaining and learning the most recent car design techniques.

TECHNOLOGY STACK

- Flutter
- Blender
- Augmented Reality
- Google AR Core

Flutter Packages Used:

- ar_flutter_plugin
- path_provider
- model_viewer_plus
- image_gallery_saver
- camera

THANKYOU