



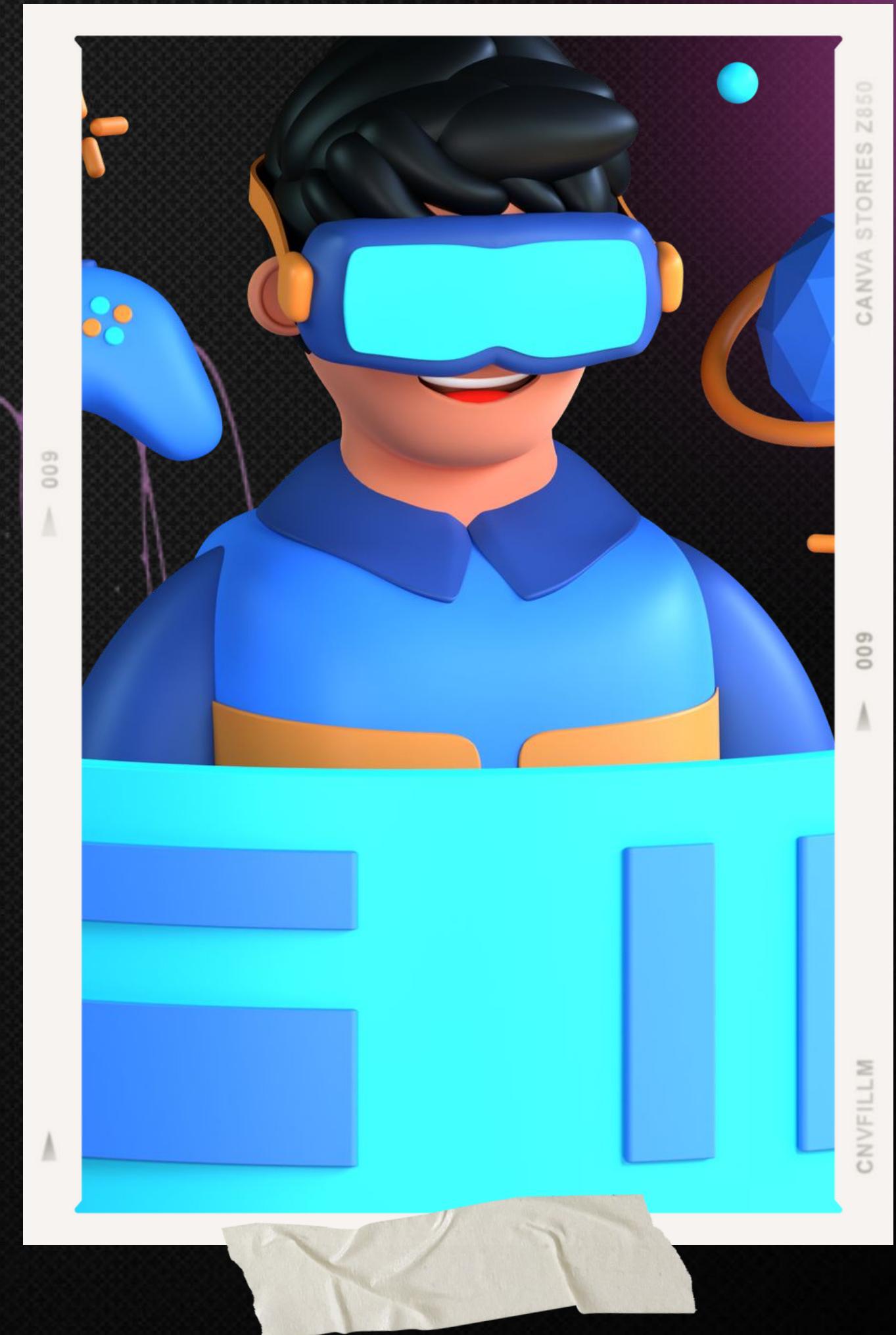
TEAM NAME

Programmers_04

HACK UNICORN 2.0

Problem statement

A healthcare organization is currently dealing with issues related to patient appointment scheduling, leading to extended wait times, suboptimal allocation of resources, and decreased patient satisfaction. They are looking to enhance their appointment scheduling system to better utilize resources, minimize wait times, and improve the overall patient experience.



Solution

Our innovative solution aims to solve the problem of longer waiting times by designing a user-friendly and interactive interface for scheduling and cancelling appointments , an information portal and a feedback mechanism.

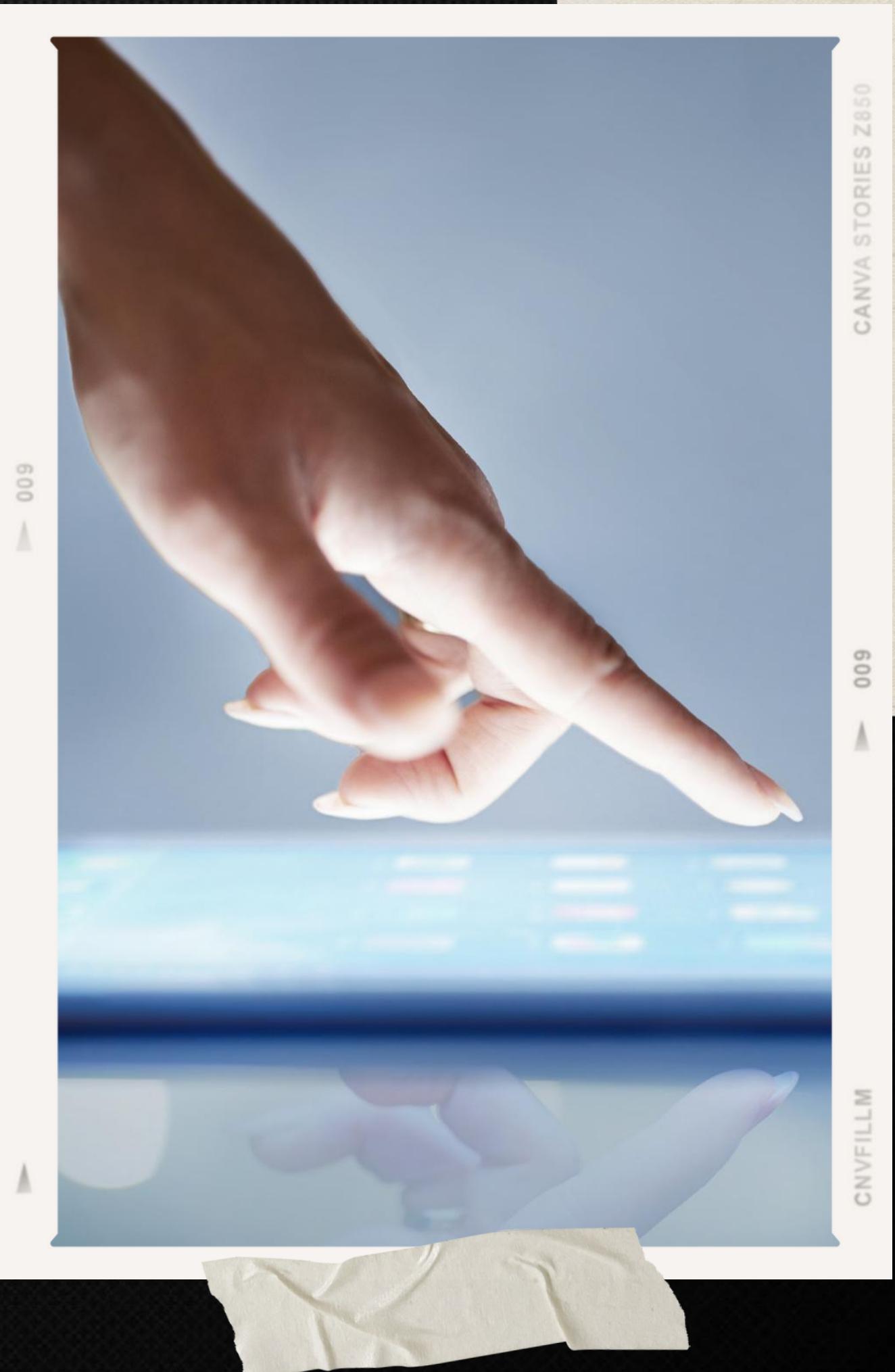
For solving the problem of sub-optimal allocation of resources by performing efficient resource scheduling,maintaining a real time inventory of hospital resources and integrating it with the hospital's existing systems for seamless management of resources.



Key Features and Functionality

A user-friendly interface consisting of the following features,

- Appointment Scheduling-Allowing patients to schedule, reschedule, or cancel appointments online.
- Information Portal-Provide information about doctor's working hours,experience,consultation fees, wait times, and relevant health resources.
- Feedback Mechanism-Collect feedback from patients to improve services and hospital's facilities.
- Resource Scheduling and real time resource availability-Maintaining the inventory of hospital's total resources and real time availability of hospital's resources.
- Integrating with hospital's existing facilities to ensure seamless management of hospital's resources.



Market Opportunity

- India has one of the largest healthcare industry in the world.
- India's healthcare industry has been growing at a Compound Annual Growth Rate of around 22% since 2016(Niti.gov.in).
- India's healthcare sector was worth about 280 billion dollars in 2020(www.statista.com).
- According to a report of (www.insights.com), healthcare industry of India will be valued at 82.4 billion dollars.

Revenue Model

- Subscription Model: Offering subscription plans(monthly or annual) for different user groups, such as healthcare providers and hospital chains.
- Transaction Fees: Charging a percentage-based or fixed transaction fee for each appointment booked or each successful payment made through our platform.
- Premium Features: Premium users can pay to access extra functionalities, such as calendar synchronization or SMS reminders of appointments.
- Advertising and Partnerships: Collaborating with healthcare-related businesses to display targeted ads or promotions on our webapp. We can earn revenue through advertising fees or affiliate commissions.

- Integration with Telemedicine: Charging healthcare providers for using our telemedicine services, and earning revenue from telehealth consultations.
- Partnerships with Insurance Companies: Partnering with insurance companies to provide a seamless billing and claims process for patients. We can earn a commission for facilitating insurance transactions.
- Data Monetization: Anonymising and aggregating the data collected from our platform (ensuring privacy and security compliance) and selling reports to researchers, healthcare institutions, or businesses interested in healthcare trends.
- Marketplace for Health Products: Integrating a marketplace within our webapp where users can purchase health-related products or services thus earning commissions from product sales.



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Impact on patients and the hospital

- Patients can now effortlessly schedule or cancel appointments online.
- Reduction in waiting times of patients and optimal allocation of resources leading to increase in patient satisfaction and smooth functioning of the hospital.
- Improving the existing hospital services and facilities through feedback mechanism.

Technologies Used



OUR TEAM UTILIZED A VARIETY OF
TECHNOLOGIES
FRONTEND-HTML,CSS,BOOTSTRAP
CSS,JAVASCRIPT,REACT
BACKEND-EXPRESS,NODE
DATABASE-MONGODB
TOOLS LIKE GITHUB

The Team

NIKUNJ
GUPTA

OM
DHARRA

Thank You

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