ABOUT
OUR
WEBSITE

- Development of a web-based platform for blood donation management
- Central hub for organising donation activities
- Promotes community engagement
- Provides essential information on donation procedures and eligibility criteria
- Key functionalities include user authentication and interactive communication features
- Facilitates scheduling and coordination of donation drives
- Contributes to improved healthcare services and life-saving outcomes

TECHNOLOGY USED
FRONTEND

- React and react-dom form the foundation for frontend development
- React-hot-toast and react-toastify utilized for displaying customizable toast notifications
- React-player is integrated for seamless playback of multimedia resources to enhance user engagement

TECHNOLOGY USED
BACKEND

- Login and Signup
- Find Nearby Donor Centre
- Blogs
- Ability to Host Drive
- Check Blood Stock Availability
- Community Posts and Comment Section
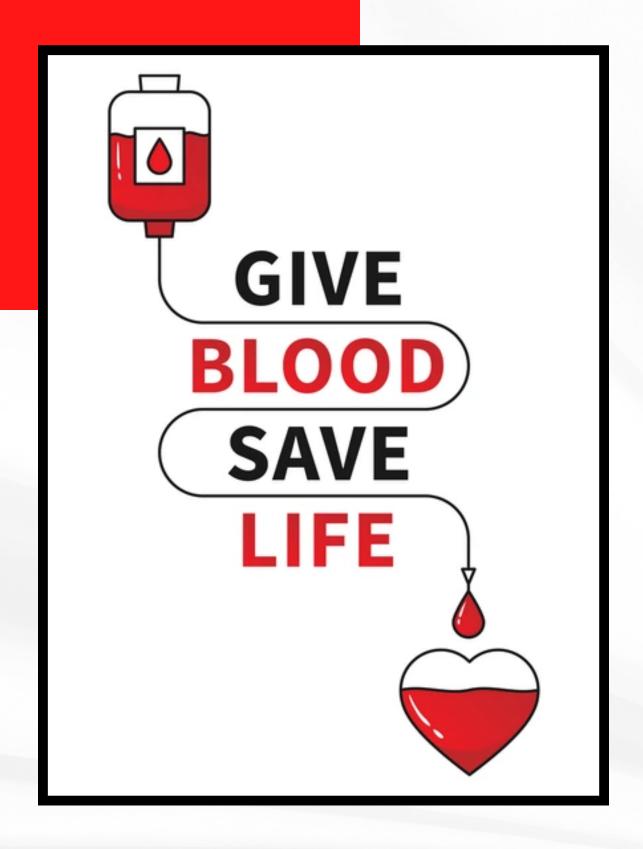- Blood Types and Complementary Info

FUTURE SCOPE

Integretion with wearable devices

partnerships with wearable technology companies to integrate health monitoring features into the platform. Enable users to track their health metrics, receive personalized donation recommendations, and earn rewards for maintaining optimal health.

Advanced Matchmaking Algorithms

Incorporation of genetic and medical data to improve compatibility matching between donors and recipients, particularly for rare blood types or specific medical conditions.

CONCLUSION

Collective mission to streamline blood donation processes and improve healthcare outcomes

Aim to enhance healthcare outcomes and make a tangible impact on communities

https://raktduth.web.app/