

CarePass: Secure Healthcare Management

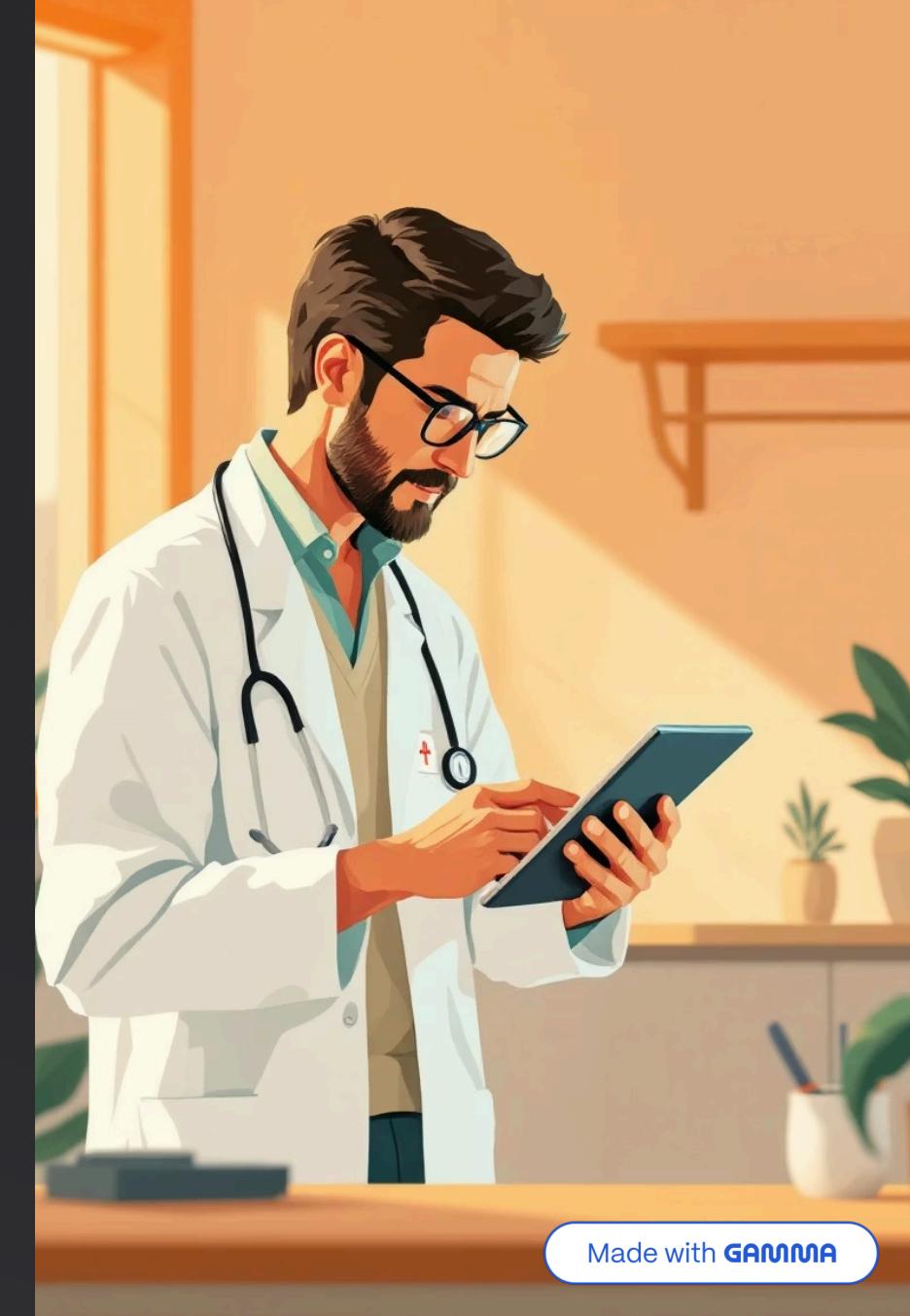
Revolutionizing patient care through secure, NFC-powered health records.
Instant access to critical medical information for healthcare providers and patients alike.

Team Members

Arunkumar .S

Adithyan Menon .T

Amrithes .P.S



The Healthcare Challenge



Critical Issues in Patient Data Access

Healthcare providers waste precious time searching for patient information. Emergency situations demand instant access to allergies, medications, and medical history.



Fragmented Records

Patient data scattered across multiple systems and providers



Emergency Delays

Critical information unavailable when seconds count



Security Concerns

Vulnerable paper records and unsecured digital systems

CarePass Solution Architecture

Our innovative platform combines NFC technology with secure cloud storage, creating seamless healthcare data management that works instantly.



NFC Authentication

Secure patient identification using contactless technology



Cloud Storage

Encrypted medical records stored safely in Google Drive



Instant Access

Real-time retrieval of critical patient information

CarePass



JOHN DOE



Core Features



Patient Registration

Quick CarePass creation with comprehensive medical profiles. Secure NFC card linking ensures authentic patient identity verification.



Record Updates

Real-time medical data updates including vitals, medications, and treatment history. Draft saving prevents data loss.



Doctor Access

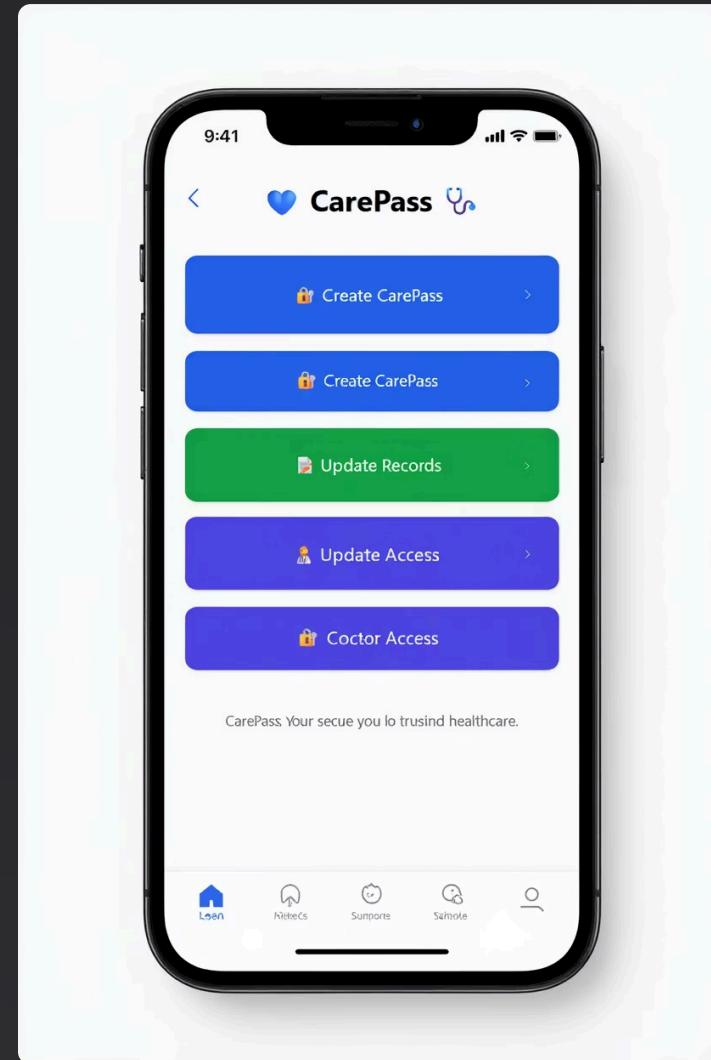
Instant patient record retrieval for healthcare providers. Complete medical history including emergency contacts and allergies.

User Interface Design

Patient-Centric Design

Clean, intuitive interface designed specifically for healthcare environments. Large buttons and clear visual hierarchy ensure usability under pressure.

- Color-coded actions for quick recognition
- Responsive design for all devices
- Accessibility-first approach
- Emergency contact prioritization



Technical Implementation

Built with modern web technologies and Google Apps Script backend for reliability and scalability in healthcare environments.



Frontend Technology

HTML5, CSS3, and JavaScript create responsive interfaces. NFC integration enables seamless card authentication and data access.



Backend Infrastructure

Google Apps Script provides serverless backend processing. Automated spreadsheet management ensures data persistence and reliability.



Data Storage

Google Sheets and Drive integration for secure, scalable storage. JSON history tracking maintains comprehensive patient timelines.

Security & Compliance

NFC Security

Contactless authentication prevents unauthorized access. Each CarePass ID uniquely identifies patients securely.

Data Encryption

All medical records encrypted in transit and storage. Google's enterprise-grade security protects sensitive information.

Access Control

Role-based permissions ensure only authorized healthcare providers access patient data appropriately.

Development Team



Arunkumar.S

Lead Developer & System Architect



Adithyan Menon.T

Full-Stack Developer & UI/UX Designer



Amrithes.P.S

Supporting Member

Impact & Benefits

CarePass transforms healthcare delivery by providing instant access to critical patient information, improving outcomes and saving lives.

90%

Faster Access

Reduction in time to access patient records

100%

Data Security

Encrypted protection of sensitive medical information

24/7

Availability

Round-the-clock access to critical patient data

Get Started with CarePass

Ready to Transform Healthcare?

Join healthcare providers worldwide using CarePass for secure, instant patient data access. Improve patient outcomes with our innovative solution.

[Try Demo](#)[Contact Us](#)

CarePass: Your secure key to trusted healthcare.