

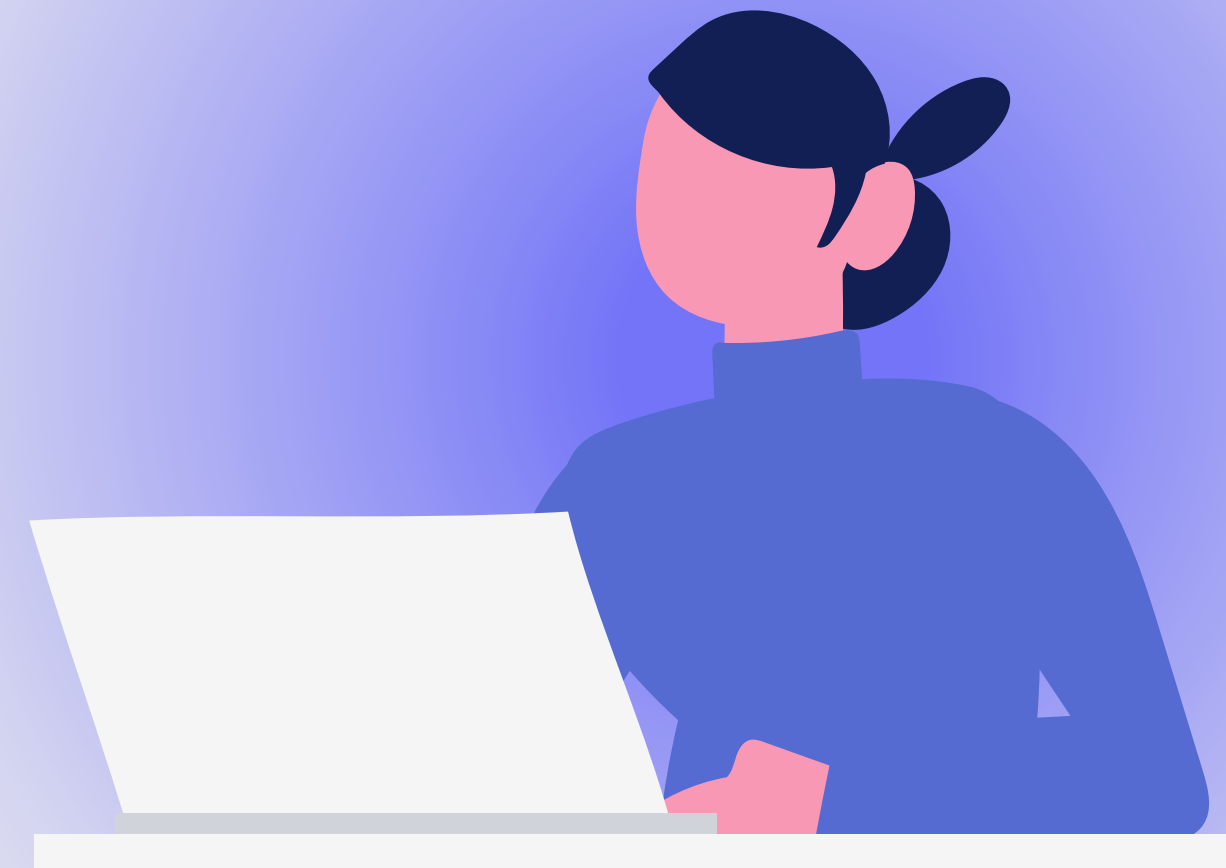
innohealth.ai

team

hack2win

Presented by

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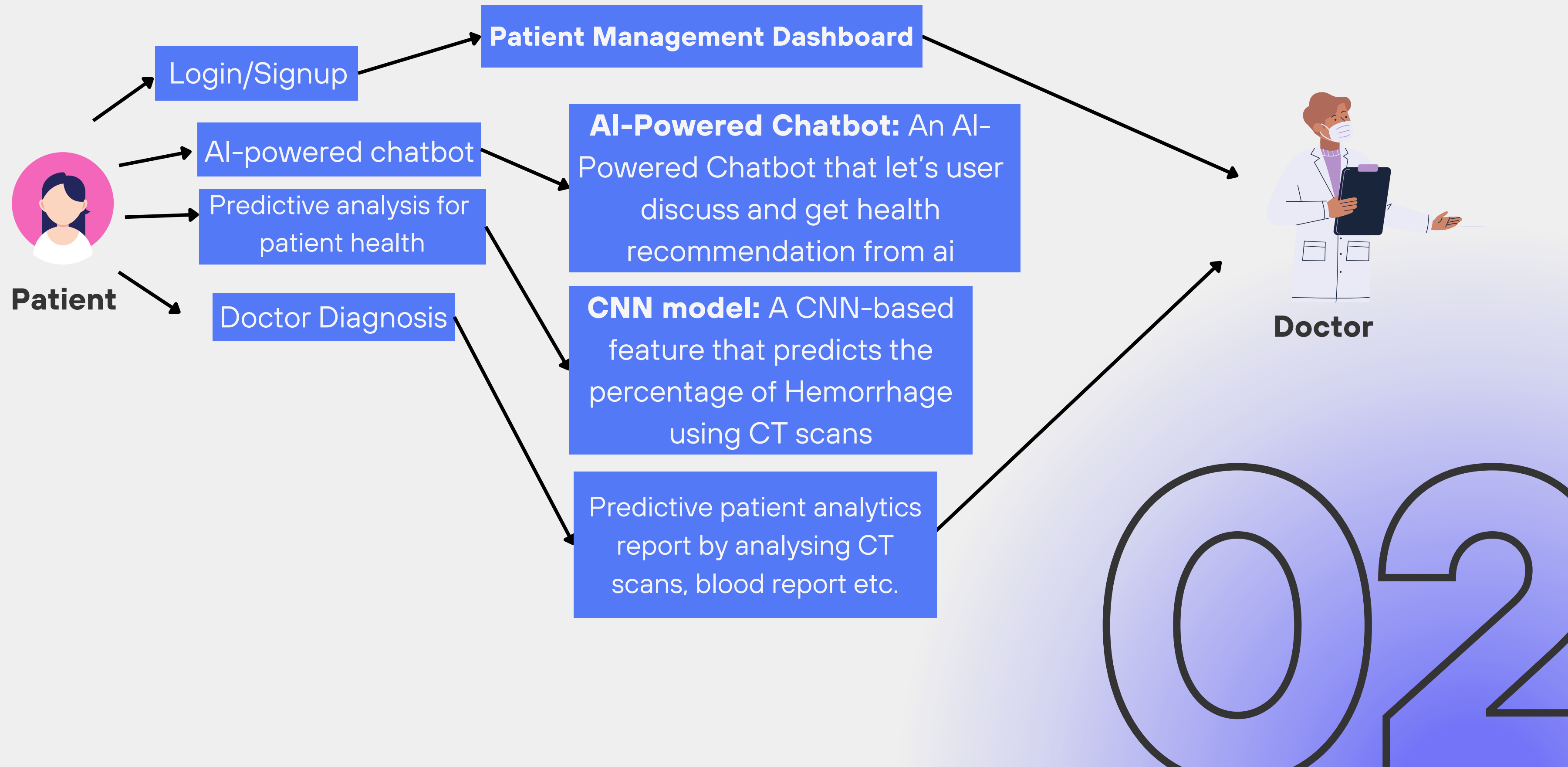


Idea / Solution

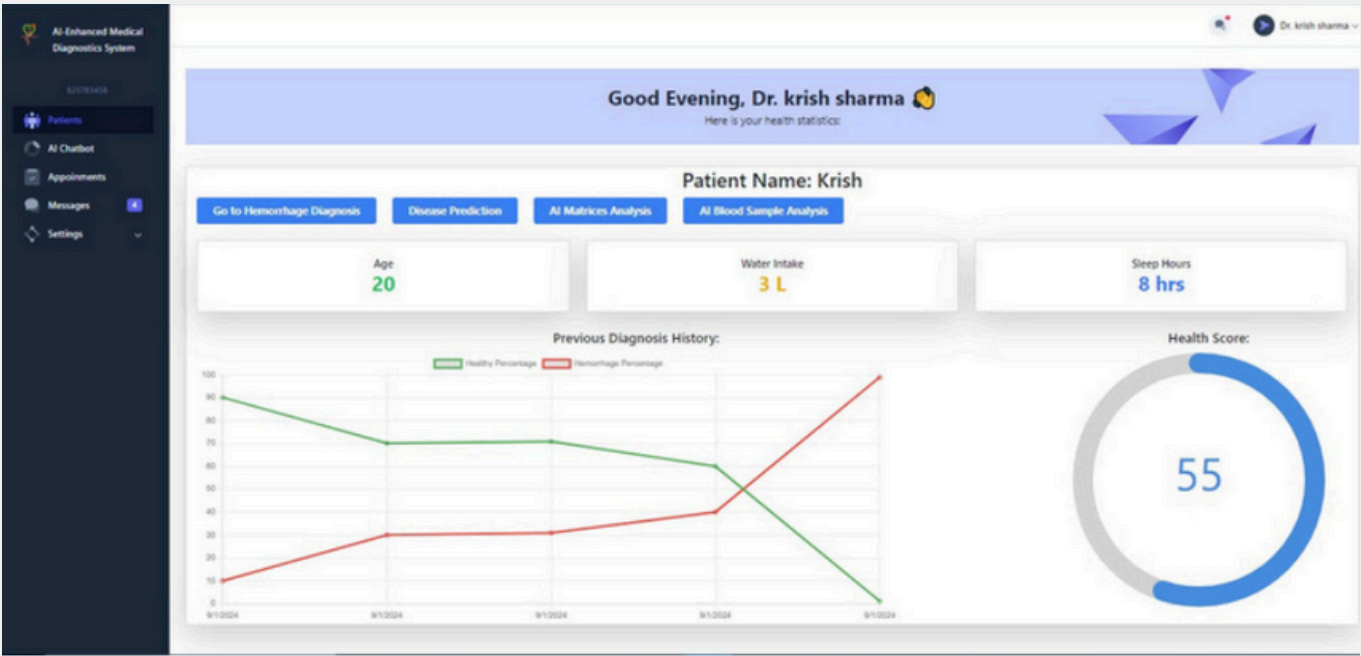
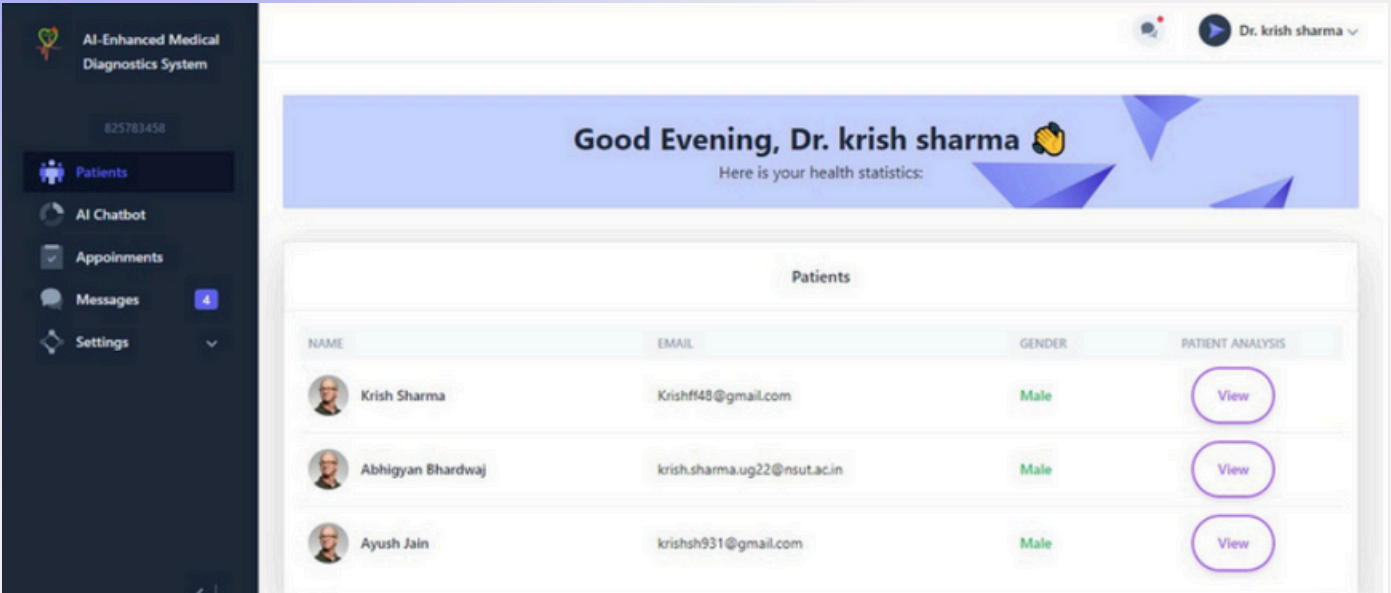


- **Efficient Healthcare Management** :This project uses AI and ML to improve medical diagnostics and streamline patient management.
- **AI-Powered Diagnostics** : Machine learning models analyze patient data (e.g., medical history, lab results, imaging) to identify patterns, diagnose conditions, and predict health risks.
- **Real-Time Health Monitoring** : Tracks patient vitals, providing immediate alerts for anomalies that need urgent attention.
- **Comprehensive Dashboard** : A user-friendly dashboard allows healthcare providers to manage patient data, view diagnostic results, and track treatment progress with visualization tools.

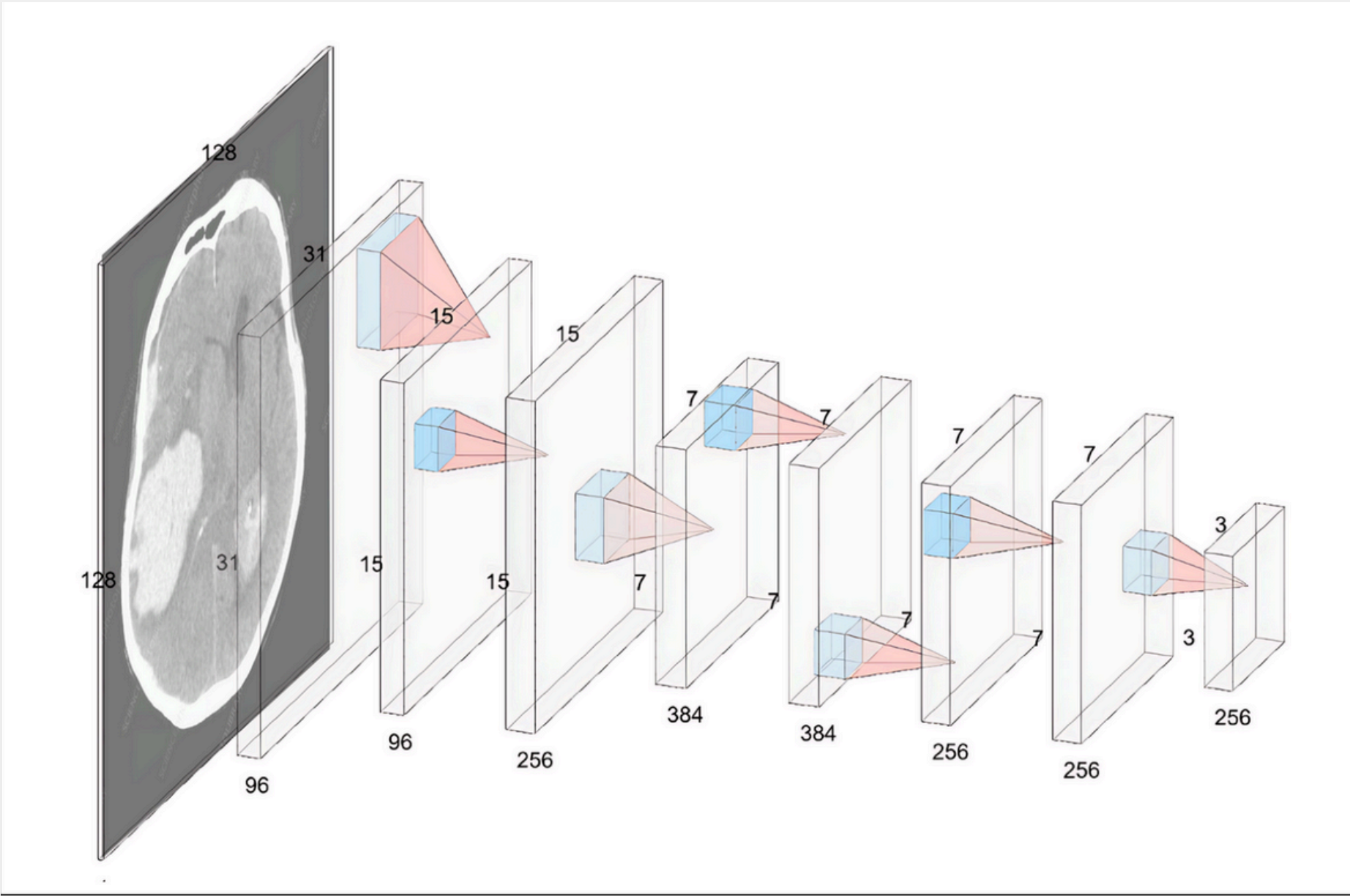
Process Flow Chart



Prototype



USER FRIENDLY DASHBOARD WITH MULTIPLE FEATURES



CNN Model used for Brain Hemorrhage Detection

■ Image Classifier

Built using **TensorFlow** and **Keras** to train models on various diseases, like brain haemorrhage, using CT scan images. Achieved 99% accuracy in disease detection through advanced image classification techniques.

■ Chatbot Development :

Created using LLaMA AI (7 million parameters) for conversational capabilities. Embedded with GPT-Large for enhanced natural language processing and accurate health-related responses.

■ API Integration

Developed with **Flask** for seamless backend API integration of AI models, enabling efficient data processing and real-time predictions.

■ Frontend/ Backend:

Built with HTML, CSS, JavaScript, React, ModernUI, Next.js and Node.js for a responsive and user-friendly interface and MongoDB for centralized database management system.

 TensorFlow

 Keras


python™

LLaMA
by ∞ Meta

 NumPy

Pandas



Tech Stack

04

01

Subscription Model

Healthcare providers pay a recurring fee to access the platform, including updates and support.

02

Licensing:

Licensing the AI algorithms and diagnostic tools to hospitals, clinics, and other healthcare institutions.

03

Data Analytics Services:

Offering advanced data analytics services for research institutions and pharmaceutical companies.

Business Model



04

Custom Integrations:

Charging fees for customized integrations with existing healthcare systems and electronic health records (EHRs)

05

Pay-Per-Use Model:

Charging healthcare providers based on their actual usage of the platform's tools and services, such as diagnostic tests or AI analyses.

06

Partnerships:

Collaborating with healthcare device manufacturers or pharmaceutical companies to offer exclusive services, with revenue shared from these partnerships.

Impacts, Benefits & Feasibility

Impacts:

- Improved Diagnostic Accuracy: Early, precise detection of diseases.
- Enhanced Patient Care: Personalized treatments and real-time monitoring.
- Efficiency: Streamlined healthcare processes and faster diagnostics.

Benefits:

- Cost Savings: Lower healthcare costs through accurate diagnostics.
- Patient Empowerment: Easy access to health data and AI insights.
- Scalability: Easily expands to serve more users and integrate new features.
- Accessibility: Remote access ideal for telemedicine and underserved areas.

Feasibility:

- Technological: Uses proven technologies like TensorFlow and LLaMA AI.
- Development: Requires a skilled team in AI, web development, and healthcare.
- Cost: Balanced by long-term savings and diverse revenue streams.
- Regulatory: Complies with healthcare laws and privacy standards.



Thank You!