



JEEVNI

Smarter Dental Care, Healthier Smiles!"



"Empowering Dental Care, Bridging Gaps, Transforming Lives."

Introduction



Jeevni is an AI-powered dental assistant designed to enhance diagnosis and treatment planning for dental professionals. By analyzing X-rays, scans, and medical records, Jeevni accurately classifies dental conditions and provides evidence-based treatment suggestions. It seamlessly integrates with existing dental record systems, ensuring smooth workflow for clinics. Additionally, Jeevni offers remote consultations through video-based AI analysis, making quality dental care accessible to rural and underserved communities. With a continuous learning system based on dentist feedback, Jeevni evolves over time, improving accuracy and reliability. Smarter dentistry, healthier smiles! 🦷🌟



Current Scenario

Inconsistent Diagnoses - Different dentists may provide varying treatment recommendations for the same condition.

Limited Access to Dental Care - Many rural and remote areas lack dental clinics, making timely treatment difficult.

Time-Consuming Manual Analysis - Diagnosing dental X-rays and planning treatments require significant expertise and time.

Lack of Continuous Learning in Systems - Existing diagnostic tools do not improve or adapt based on real-world feedback.

Objectives/goals



Standardized Diagnosis

Provide consistent and accurate AI-powered analysis of dental X-rays to reduce diagnostic variability.



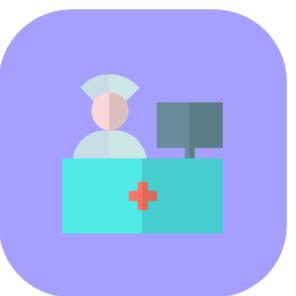
Enhanced Accessibility

Enable remote consultations for patients in rural or underserved areas through AI-assisted video calls.



Faster & Smarter Treatment Planning

Automate dental condition detection and offer evidence-based treatment suggestions to save time.



Continuous Learning & Improvement

Adapt and refine the model based on dentist feedback, ensuring improved accuracy over time.



Our solution:Jeevni

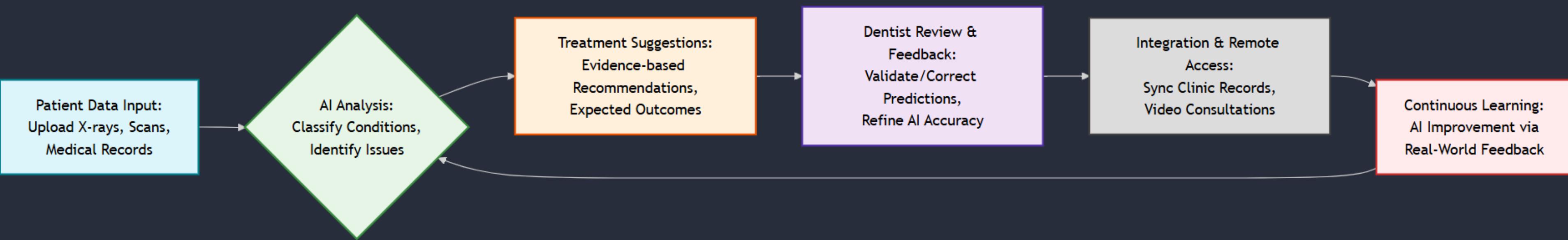
Features:

- AI-Powered Diagnosis
- Automated X-ray Analysis
- Evidence-Based Treatment Suggestions
- Seamless Clinic Integration
- Remote Consultations via Video

Use cases :

- Comprehensive Health Profile
- Efficient Diagnosis
- Enhanced Telemedicine
- Personalized Treatment Plans

Workflow



TECHNOLOGIES AND TOOLS

Frontend

HTML,CSS,Javascript

Backend

Python|Flask,SQLite

Developers Tool

Docker,Github

Other Tools/Technologies

Zegocloud,SMTP

AI/ML Technologies

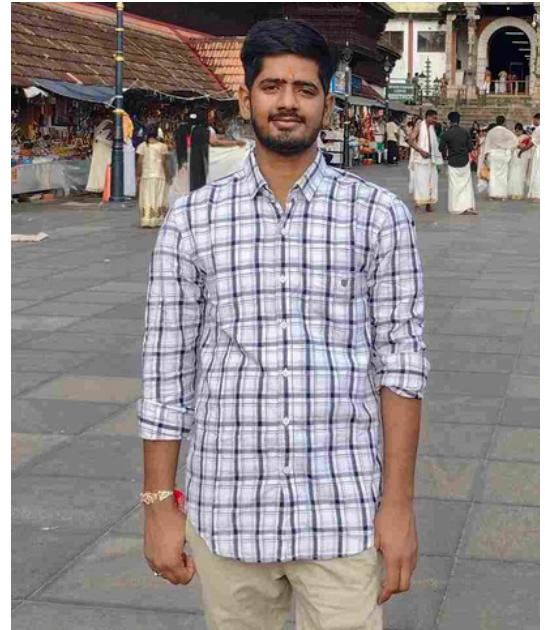
Pandas,Numpy,Sckit-learn, Tensorflow, PyTorch
torchvision.datasets,
ImageFolder,
DataLoader
torchvision.transforms
matplotlib, Google Colab



Future Plans for Jeevni

- 3D Imaging & Advanced Scans - Integrating 3D dental scans and CBCT imaging for precise diagnosis.
- Multi-Language Support - Adding regional language support for better accessibility.
- Telemedicine Expansion - Partnering with telemedicine platforms for broader remote dental care services.
- Gamification for Patient Engagement - Encouraging better oral hygiene through interactive apps and rewards.

MEET THE TEAM : PRIME INNOVATORS



Sudhanshu Kumar



Raushan Kumar



Chandan Kumar



Aryan Chaubey



Ujjawal Kumar

Thank you.