

Overview

This digital platform is designed for radiologists and imaging professionals, offering a secure and streamlined solution to convert faxed imaging request forms into structured digital data. By leveraging advanced AI for data extraction and processing, it simplifies the traditional fax-based workflow, enabling healthcare experts to review, update, and manage imaging protocols with ease. Operating within a fully HIPAA and PIPEDA-compliant environment, the platform addresses the unique challenges of medical imaging management, ensuring efficiency, accuracy, and enhanced patient care throughout the diagnostic process.

Features

- ★ **Fax-to-Digital Conversion** : Receive faxes via API, convert to PDFs/structured data with OCR.
- ★ **AI Data Extraction & Validation** : Extract and verify key details (patient name, imaging type, urgency) using AI.
- ★ **AI-Based Protocol Suggestions** : Recommend imaging protocols with manual editing options.
- ★ **Radiologist Dashboard** : View, filter, and manage imaging requests securely.
- ★ **Admin Panel** : Manage users, roles, and AI settings.
- ★ **Compliance & Security** : End-to-end encryption, audit logs, PIPEDA & HIPAA compliance.

Technology Stack

- ⚙️ **Frontend** : React
- 🔌 **Backend** : Django rest framework
- 🗄️ **Database** : PostgreSQL

3rd Party APIs

| Fax, AWS Textract, OpenAI GPT.

SVP

The AI-powered Medical Imaging Request Platform revolutionizes radiology workflows by automating the conversion of faxed imaging requests into digital data, significantly reducing paper usage and manual errors. By standardizing protocols and streamlining review processes, it accelerates patient care while ensuring strict HIPAA and PIPEDA compliance. Seamless integration with existing RIS and PACS systems empowers radiologists to focus on diagnostics, enhancing both operational efficiency and clinical outcomes.

CAS

A leading hospital system, struggling with delayed imaging request processing and burdensome administrative tasks, adopted the AI-powered Medical Imaging Request Platform. The transformation resulted in significantly faster imaging request handling, a marked reduction in manual data entry errors, and a more streamlined protocol review process. This enhanced operational workflow has improved clinical decision-making and contributed to better patient care.

WCROI

Investing in this digital imaging request system delivers tangible benefits :

- ✔️ **Reduced Operational Costs** : Eliminates the inefficiencies and errors associated with paper-based processes.
- ✔️ **Time Savings** : Automates data extraction and review processes, allowing radiologists to focus more on patient diagnostics.
- ✔️ **Enhanced Patient Outcomes** : Speeds up the diagnostic process, leading to more timely and accurate care.
- ✔️ **Improved Compliance** : Ensures strict adherence to HIPAA and PIPEDA standards, mitigating regulatory risks while protecting sensitive patient information.

Upsell

- Real-time Analytics and Reporting Dashboard
- Automated Quality Assurance and Compliance Monitoring
- Integration with PACS, and Other Healthcare Systems

Cross Sell

- Healthcare Workflow Expansion
- Cross-Industry Document Automation

Screenshots

