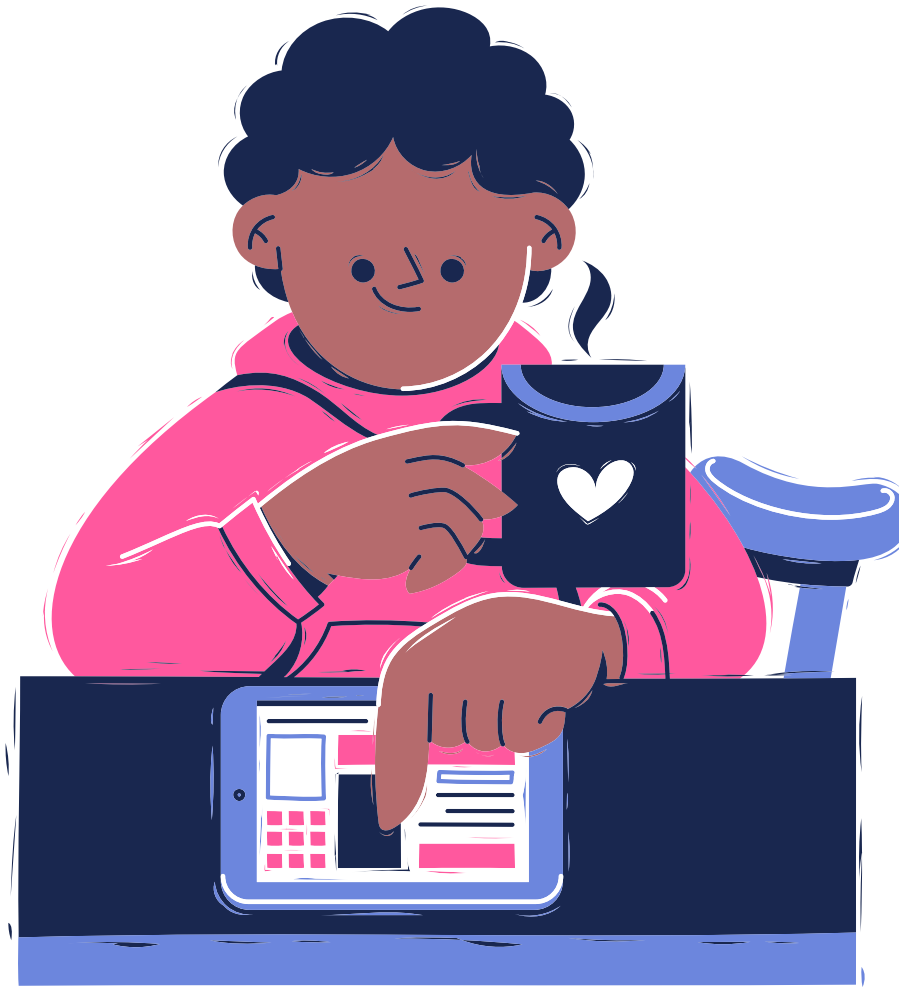# CIVIDOC AI

AI-Powered Document Assistant

Team David AI

Llama Impact Hackathon

Outline

- The Problem
- Our Solution
- Core Features
- Technical Innovation
- Live Demo
- Impact of CiviDoc AI
- Conclusion

THE PROBLEM

Citizens face significant challenges when dealing with government paperwork:

- Complex language and terminology
- Multiple document formats and procedures
- Bureaucratic delays and missed deadlines
- Language barriers (especially for non-English speakers)

These issues lead to confusion, delays, and frustration for millions of people.

OUR SOLUTION: CIVIDOC AI

An AI-powered web application designed to help citizens understand, create, and manage government documents.

Document Analysis

Upload, scan, and analyze documents

Writing Assistant

Generate government-related documents

DOCUMENT CHAT

Real-time Q&A about documents

Document History

Track and manage document versions

FEATURE : DOCUMENT ANALYSIS

Upload capabilities:

- Supports PDF, JPG, JPEG, PNG formats
- Batch processing and live camera capture

Analysis features:

- Extracts key information
- Explains complex terms and highlights important deadlines
- Lists next steps and submission details

FEATURE : WRITING ASSISTANT

Generates common government-related documents:

- RTI applications, complaint letters, legal notices, appeals, etc.

Smart features:

- Pre-filled templates with proper formatting
- Legal compliance checks
- Multi-language support

FEATURE : DOCUMENT CHAT

Smart features:

- Real-time Q&A about uploaded documents
- Context-aware responses based on document content
- Multi-document context support with conversation history

FEATURE : DOCUMENT HISTORY

Smart features:

- Organize and track documents over time
- Version control for document edits
- Status monitoring for ongoing submissions or applications

Technical Stack & AI Integration

- Frontend: Streamlit for a responsive web interface

- Backend:
  - Python
  - Llama 3.2 & 3.1 Models
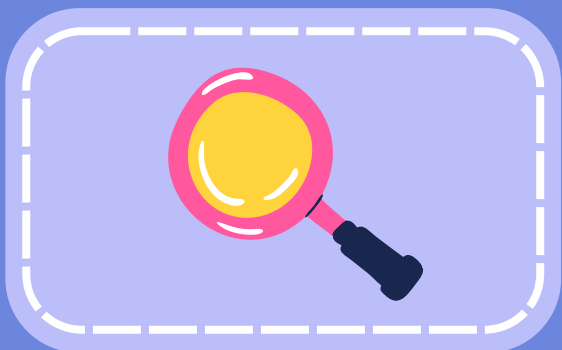 - LlamaIndex
  - Groq API

AI Integration:

- Llama 3.2 for vision tasks (document analysis)
- Groq API for backend processing
- LlamaIndex for document processing and natural language understanding

Demo of Cividoc AI

Impact of CiviDoc AI

Target Users

General citizens

Legal professionals

RTI Activists

Use Cases

Understanding government notices or forms

Filing RTI applications or complaints

Creating legal notices or appeal letters

Key Benefits

Simplifies complex procedures/terminology Efficiency

Automated form filling and real-time assistance Accuracy

AI-powered analysis ensures legal compliance and up-to-date information

conclusion

The CiviDoc AI simplifies the process of managing government paperwork using AI technology. It empowers citizens by making complex procedures accessible, efficient, and accurate.

Thank You