



# MedDoc



# INTRO

Group No: 11

Team Members

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# Problem Statement(1/2)

- **Challenge:** Dealing with a large volume of medical invoices, prescriptions, and lab test reports from various providers and customers.
- **Goal:** Develop a system to extract and standardize these documents and detect potential fraudulent claims.
- **Template Extraction:** Extract and create a standardized template from diverse medical documents.



# Problem Statement(2/2)

- **Template Comparison:** Identify similarities among document templates, considering minor modifications.
- **Fraud Detection:** Flag potentially fraudulent claims using similar templates with customer detail modifications.



# Solution(1/2)

- Collecting all necessary claim-related documents from policyholders.
- Convert physical documents into digital format using scanners for efficient processing.
- Then extracting key details and summarize documents into standardized templates for clarity.
- Checking incoming claims against a database of past claims in the form of standardized template to identify patterns and inconsistencies.



# Solution(1/2)

- **Ensure that only legitimate claims are processed, filtering out potentially fraudulent ones.**
- **Flagging such fraudulent documents for further investigation over the matter.**
- **Apply Natural Language Processing (NLP) models to match documents to templates and simplify language for easier understanding.**



# TECH STACK

- React
  - Express
  - Node.js
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- Python programming language.
  - Machine Learning
  - Natural Language Processing (NLP)



# Features

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- **Document extraction and standardization**
- **Template extraction and comparison**
- **Fraud detection**





thank  
you