

# DASHBOARD PRESENTATION



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# Key Functionalities

- Store JSON Data in MongoDB
- Upload the pdf files from the frontend
- Generate Excel Files
- Submit the reports
- Send Emails with Attachments

# Flowchart



```
_id: ObjectId('67c97fc16d4743d1fd335336')
batch_name: "BATCH1"
patients: Array (6)
  0: Object
    patient_id: "KHAIGHGPPGX27"
    files: Object
  1: Object
    patient_id: "KHAIGHGPTTL569"
    files: Object
  2: Object
  3: Object
  4: Object
  5: Object
```



## Pathogenic Variants

## Pathogenic Variants

rsID ↑↓	Gene Name ↑↓	Gene Score ↑↓	Lit ↑↓	CH ↑↓	POS ↑↓	ref ↑↓	alt ↑↓	Zygosity ↑↓	Consequence ↑↓	Conseq score ↑↓	clin sig ↑↓	IMPACT ↑↓
rs543016186	MTHFR	No	No	chr1	11795125	C	T	Heterozygous	missense variant	7/10	Pathogenic	MODERATE
rs201420507	DIO1	No	No	chr1	53906216	G	A	Heterozygous	missense variant	7/10	Pathogenic	MODERATE
rs1559416138	WNT10A	No	No	chr2	218892949	A	-	Heterozygous	frameshift variant	10/10	Pathogenic	NSH
rs3974499	SLC9B1	No	No	chr4	102901326	AC	-	Heterozygous	frameshift variant	10/10	Pathogenic	NSH
rs199422117	TBXAS1	No	No	chr7	140015731	G	A	Heterozygous	missense variant	7/10	Pathogenic	MODERATE
rs202003805	PRSS1	8	Yes	chr7	142750561	C	T	Heterozygous	missense variant	7/10	Pathogenic	MODERATE
rs786204713	ACADVL	7	No	chr17	7220783	AC	-	Heterozygous	frameshift variant	10/10	Pathogenic	NSH
rs60726084	ATXN10	No	No	chr22	45795355	ATTCT	-	Heterozygous	intron variant	2/10	Pathogenic	MODIFIER

# Dashboard Overview Content:

- **Purpose:** The dashboard provides a user-friendly interface to manage patient reports and their availability status.
- **Key Features:**
  - Submit patient reports
  - AI Score Display
  - Severity Selection
  - Full screen toggle mode
  - Update patient availability
  - View report submission and availability status
  - Upload the pdf files directly into the database from frontend

# Dashboard



BATCH1

Search patient file...



Selected: KHAIGHGPPGX27

Upload PDF Files



Multi Conditions

Report

Columns

Pathogenic Variants

Conflicting Variants

Skin\_Health

Cardiac\_Health

Cholesterol\_Disorders

Gall\_stones

Diabetes

Obesity

Glomerular\_Diseases

Thyroid\_Disorders

High\_Blood\_Pressure

Renal\_stones

Gastritis

Dementia

## Diabetes

AI Score

☒ Concern No Mutation

Low Mild Moderate Moderate to High

Diabetic Nephropathy

Diabetic Retinopathy

Predisposition for diabetes

Diabetic Nephropathy

rsID	Gene Name	Gene Score	Lit	CH	POS	ref	alt
rs2071126	AVPR2	8	Yes	chrX	153905541	G	A

PDF

Consent

Blood Reports

☐ 1 ☐ 2

# DashboardSearch Component

## 1. Batch Selection:

- Dropdown to select a batch.
- Fetches batches from API on mount.
- Updates UI and fetches report status when a batch is selected.

## 2. Patient Search:

- Filters patients dynamically as the user types.
- Displays all patients if search input is empty or focused.
- Allows selecting a patient to view details.

## 3. Patient Availability Toggle:

- Toggles patient availability via a switch.
- Prevents toggling if the report is already submitted.
- Sends updates to the backend and updates local state.



#### 4.Report Status Handling:

- Fetches and displays report submission status.
- Uses color coding:
  - Green: Report submitted.
  - Orange: Available.
  - Red: Not available.

#### 5.View Details Button:

- Allows users to select a patient and view details.
  - Calls onSelectPatient and fetchDataFromAPIs upon selection.
- 

# Patient selection , availability status & Report submission indication

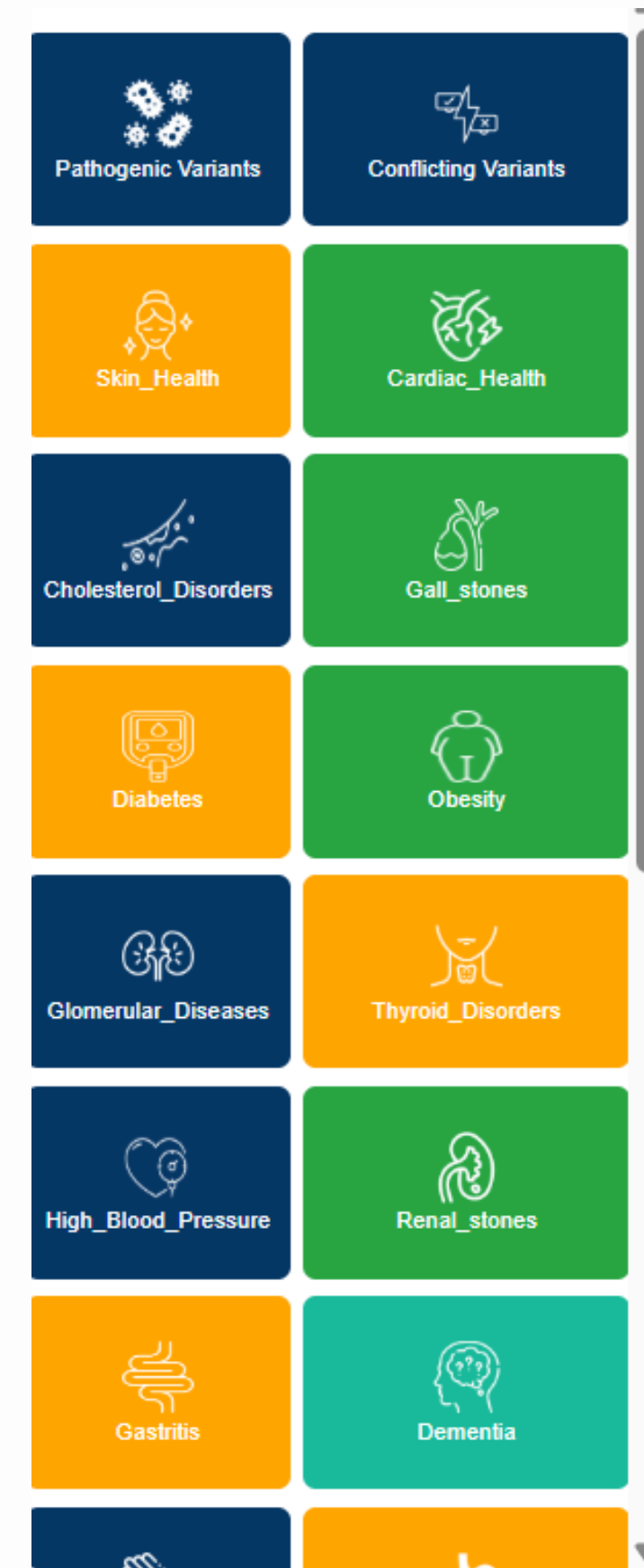
BATCH3	Search patient file...	
KHAIGHGPPGX27	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHAIGHGPTTL569	<input type="checkbox"/>	<a href="#">View Details</a>
KHAIGHGPTTL570	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHAPOLGPTTL68	<input type="checkbox"/>	<a href="#">View Details</a>
KHDHPLGPTTL14	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHDHPLGPTTL15	<input checked="" type="checkbox"/>	<a href="#">View Details</a>

BATCH3	Search patient file...	
KHAIGHGPPGX27	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHAIGHGPTTL569	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHAIGHGPTTL570	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHAPOLGPTTL68	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHDHPLGPTTL14	<input checked="" type="checkbox"/>	<a href="#">View Details</a>
KHDHPLGPTTL15	<input checked="" type="checkbox"/>	<a href="#">View Details</a>



# Condition button colour indication

- If the condition button was coloured in the orange colour it indicates that condition was having concern.
- If the condition button was coloured in light green colour it indicates currently that condition was selected.
- If the condition button was coloured in the Dark green colour it indicates that condition was viewed and given report.



# Full-screen mode

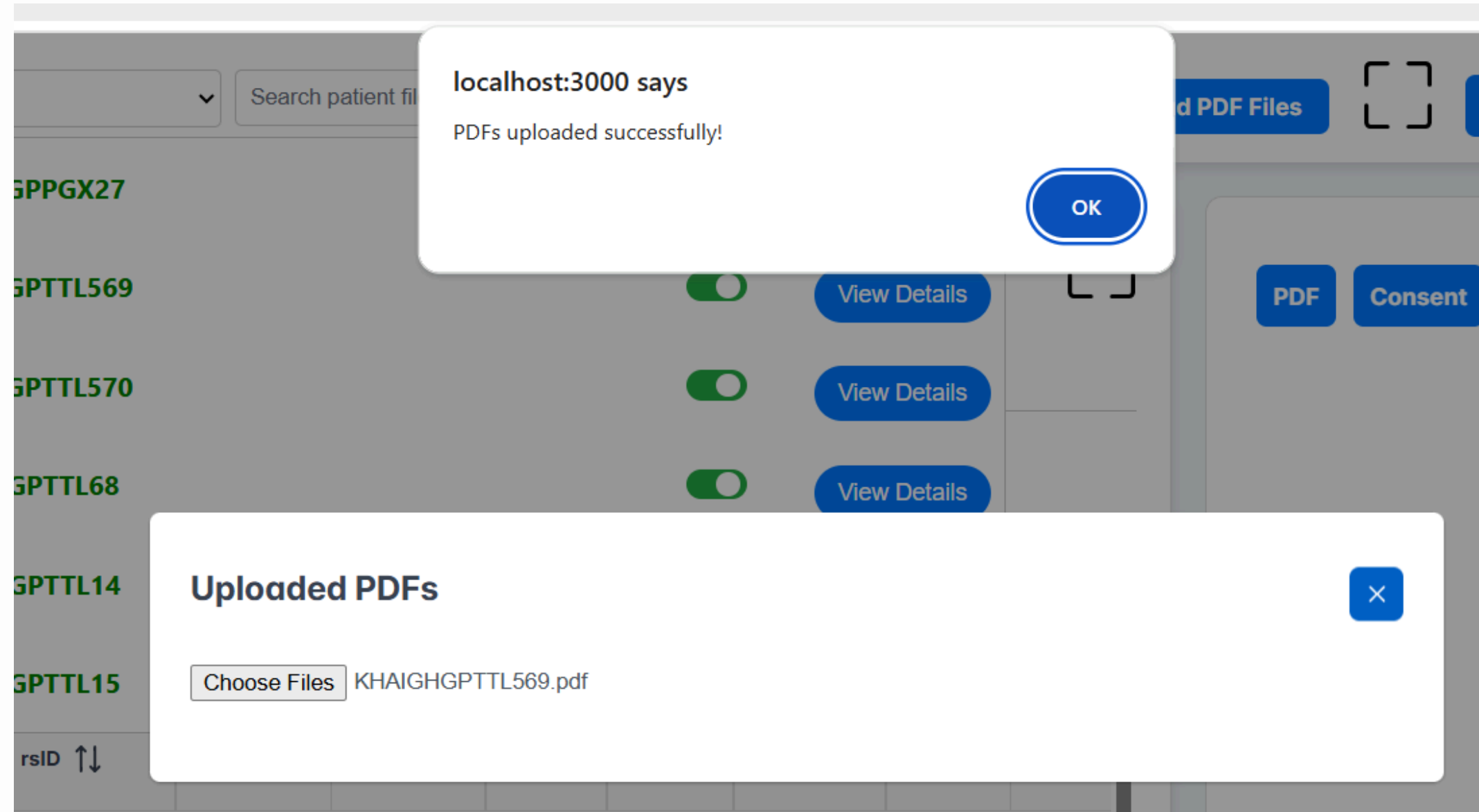
## Key Features:

- Full-Screen Toggle: Enter/exit fullscreen mode.
- Severity Selection: Buttons with icons & color-coded levels.
- Concern Checkbox: Mark/unmark a condition as a concern.
- AI Score Display: Toggle AI-generated score visibility.
- No Mutation Button: Indicates absence of mutation.
- Condition Details: Dynamically renders selected conditions.
- Responsive Design: Scrollable and adaptable UI.

# Full-screen mode

<div><div><div>😊 Low</div><div>😐 Mild</div><div>😐 Moderate</div><div>😐 Moderate to High</div><div>🔴 <input checked="" type="checkbox"/> Concern</div><div>🔵 AI Score</div><div>🚫 No Mutation</div></div><div>Close</div></div>												
Pancreatitis												
Pancreatitis												
rsID ↑↓	Gene Name ↑↓	Gene Score ↑↓	Lit ↑↓	CH ↑↓	POS ↑↓	ref ↑↓	alt ↑↓	Zygosity ↑↓	Consequence ↑↓	Conseq score ↑↓	clin sig ↑↓	IMPACT ↑↓
rs202003805	PRSS1	8	Yes	chr7	142750561	C	T	Heterozygous	missense variant	7/10	Pathogenic	MODERATE
rs144422014	PRSS1	8	Yes	chr7	142750675	A	G	Heterozygous	missense variant	7/10	Likely Benign	MODERATE
rs213950	CFTR	8	No	chr7	117559479	G	A	Homozygous Variant	missense variant	7/10	Likely Benign	MODERATE
rs748442280	PRSS1	8	No	chr7	142749516	C	G	Heterozygous	missense variant	7/10	Likely Benign	MODERATE
rs747228052	PRSS1	8	No	chr7	142749524	C	G	Heterozygous	missense variant	7/10	Conflicting	MODERATE
rs200665515	PRSS1	8	No	chr7	142750558	C	G	Heterozygous	missense variant	7/10		MODERATE
rs770782578	PRSS1	8	No	chr7	142750563	C	T	Heterozygous	missense variant	7/10	Likely Benign	MODERATE
rs138464021	PRSS1	8	No	chr7	142750660	G	T	Heterozygous	missense variant	7/10	Benign	MODERATE
rs149246646	PRSS1	8	No	chr7	142750672	T	A	Heterozygous	missense variant	7/10		MODERATE
rs148440491	PRSS1	8	No	chr7	142750676	C	G	Heterozygous	missense variant	7/10		MODERATE
rs147366981	PRSS1	8	No	chr7	142750680	C	T	Heterozygous	stop gained	10/10	Conflicting	HIGH
rs757111793	PRSS1	8	No	chr7	142751776	G	A	Heterozygous	missense variant	7/10	Uncertain Significance	MODERATE
rs750348889	PRSS1	8	No	chr7	142751865	C	A	Heterozygous	missense variant	7/10	Likely Benign	MODERATE
rs199507985	PRSS1	8	No	chr7	142751871	G	A	Heterozygous	missense variant	7/10	Conflicting	MODERATE
rs778568523	PRSS1	8	No	chr7	142751878	A	T	Heterozygous	missense variant	7/10	Uncertain Significance	MODERATE
rs1373631104	PRSS1	8	No	chr7	142751879	G	T	Heterozygous	missense variant	7/10	Uncertain Significance	MODERATE
rs1232891794	PRSS1	8	No	chr7	142752476	G	C	Heterozygous	missense variant	7/10	Uncertain Significance	MODERATE
rs758254763	PRSS1	8	No	chr7	142752490	G	A	Heterozygous	missense variant	7/10		MODERATE
rs1240508430	PRSS1	8	No	chr7	142752505	G	T	Heterozygous	stop gained	10/10	Uncertain Significance	HIGH
rs1468060476	PRSS1	8	No	chr7	142752506	G	T	Heterozygous	missense variant	7/10	Uncertain Significance	MODERATE
rs1348773645	PRSS1	8	No	chr7	142752522	C	G	Heterozygous	missense variant	7/10	Uncertain Significance	MODERATE
rs200902389	PRSS1	8	No	chr7	142752913	G	A	Heterozygous	missense variant	7/10	Benign	MODERATE

# PDF Upload



- Added one file upload button in the navbar that allows the user to upload the pdf reports like Blood-work, Consent, directly into the database.

# Multiconditions Selection

### Select Conditions

Choose Condition 1

Cardiac\_Health

Choose Condition 2

Diabetes

Cardiac\_Health

Arrhythmia

Cardiac

Atrial fibrillation

Brugada Syndrome

Long QT syndrome

rsID ↑↓	Gene Name ↑↓	Gene Score ↑↓	Lit ↑↓	CH ↑↓	POS ↑↓	ref ↑↓	alt ↑↓
rs2234962	BAG3	7	No	chr10	119670121	T	C

Diabetes

Diabetic Nephropathy

Diabetic Retinopathy

Predisposition for diabetes

Diabetic Nephropathy

rsID ↑↓	Gene Name ↑↓	Gene Score ↑↓	Lit ↑↓	CH ↑↓	POS ↑↓	ref ↑↓	alt ↑↓
rs2071126	AVPR2	8	Yes	chrX	153905541	G	A

- Added one Multicondition button in the navbar which allows the user to view the two conditions one patient at a time.

# PDF Viewer

## **PDF Display:**

- It loads and displays a multi-page PDF document.
- The current page is "1 / 44," indicating a total of 44 pages.

## **Navigation Controls:**

- Buttons to move between pages (+ and - zoom controls).
- A refresh/reset button to reload the document.

## **Download & Options:**

- A download button (down arrow icon) to save the PDF.
- A settings/menu button (three dots icon) for more options.
- Checkboxes & Buttons:
- Buttons labeled PDF, Consent, Blood Reports to categorize documents.
- Scrollable View:
- A scroll bar on the right allows vertical navigation.



PDF

Consent

Blood Reports


☒ 1
 

|

☐ 2

1 / 10
←
→
↺

↓
🖨
⋮



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01/1-10-2022

### Patient Intake Form

Name: Mrs. Arekapudi Shyamala	Ph Number: 9849998996
Address: Hyd. Devi	Email:
Referred:	DOB / Sex: 59/F
Doctor: Dr. Bhargavi mam	Date: 30/12/24
Sample coordinator: Shrayoni	Pre Counselor: Shambavi

### Current Complaints

Complaint 1: Diabetic — 10 yrs.

a. Onset: Knee replacement — 10 yrs.

b. Duration:

Complaint 2: fever from 2 months. → frequent attacks

a. Onset: on & off

b. Duration:

Complaint 3: \_\_\_\_\_

a. Onset:

b. Duration:

### Reason for Genetic Testing?

Why do you want to do this genetic testing		
1	I want to know if there is any genetic cause for my Medical Condition.	<input type="checkbox"/>
2	I want to know if there is any genetic cause for a symptom I have been having since a long time.	<input type="checkbox"/>
3	My family or close relatives are having history of chronic disease.	<input type="checkbox"/>
4	There is a history of cancer in me/ history of cancer in the family.	<input type="checkbox"/>
5	Have a history of genetic disease in the immediate family or close relatives.	<input type="checkbox"/>

# Submitting Patient Reports Content:

- **Functionality:**

- Users can submit patient reports by filling out a form with necessary details such as patient ID, batch, and report data.
- Upon submission, the data is stored in MongoDB.
- An Excel file is generated from the submitted data.
- The generated Excel file is sent via email to specified recipients.
- The file is deleted from the server after the email is sent.



# Submitting Patient Report

Submitted Data

Condition	Severity	Concern	No Mutation	AI Score	Reason	Actions
Cardiac_Health	Mild	y		Moderate to High	nothing	<div>Remove</div>
Diabetes	Moderate to High	y		Moderate	last	<div>Remove</div>
Glomerular_Diseases	Mild		y	Mild	N/A	<div>Remove</div>
Thyroid_Disorders	Moderate	y	y	Moderate	N/A	<div>Remove</div>

Submit

[illegible]

# LIVE DEMO

