

Digital Portfolio

STUDENT NAME

REGISTER NO AND NMID

DEPARTMENT

COLLEGE: COLLEGE/ UNIVERSITY

:

:

:

:

RITHISH S

35524U09031 & 70544D60F3F73D8914F45AB0C4128A23

BCA-II

**GOVERNMENT ARTS AND
SCIENCE COLLEGE
TIRUPATTUR / THIRUVALLUVAR**

PROJECT TITLE



MEDICAL MANAGEMENT SYSTEM AND BILLING



AGENDA

1.PROBLEM STATEMENT

2.PROJECT OVERVIEW

3.END USERS

**4.TOOLS AND
TECHNOLOGIES**

**5.PORTFOLIO DESIGN
AND LAYOUT**

**6.FEATURES AND
FUNCTIONALITY**

**7.RESULTS AND
SCREENSHOTS**

8.CONCLUSION

9.GITHUB LINK



PROBLEM STATEMENT

- Managing patient records, appointments, billing, and staff details
- manually is time-consuming, error-prone, and inefficient. Clinics and
- hospitals need a digital solution to streamline operations and improve patient care.



PROJECT OVERVIEW

- The Medical Practice Management System is a web-based platform developed using React, TypeScript, and Tailwind.
- It provides doctors, staff, and administrators with tools to manage appointments, patient records, billing, and reports efficiently



WHO ARE THE END USERS?

- Doctors – View patient history, appointments, and prescriptions.
- Patients – Book appointments, access reports, and receive notifications.
- Administrative Staff – Manage billing, scheduling, and staff records.
- Clinic/Hospital Management – Monitor performance with analytics.

TOOLS AND TECHNIQUES



- Frontend: React, TypeScript, Tailwind CSS
- Build Tool: Vite
- Icons & UI Enhancements: Lucide React
- Linting & Formatting: ESLint, TypeScript ESLint
- Other Tools: PostCSS, Autoprefixer

POTFOLIO DESIGN AND LAYOUT

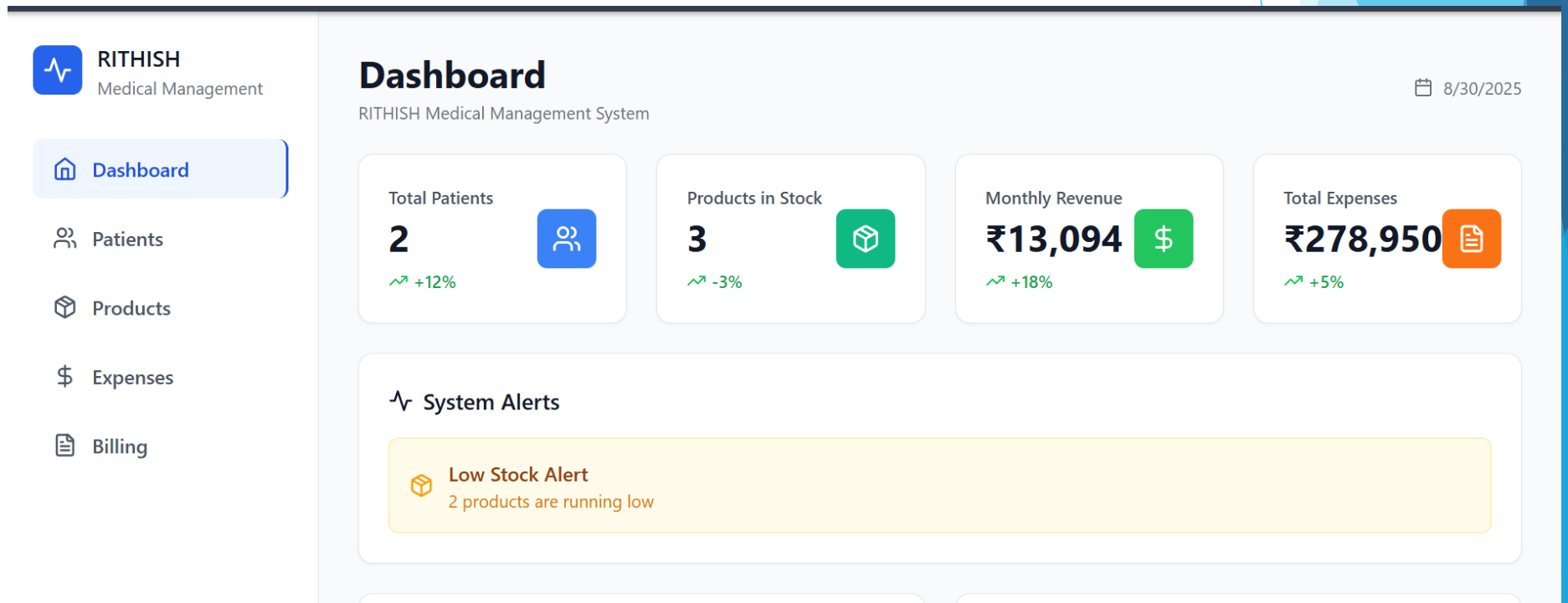
- Clean, modern UI with responsive design.
- Intuitive navigation for patients and doctors.
- Dashboard with quick access to appointments, billing, and reports.
- Minimalist color scheme with user-friendly interactions.

FEATURES AND FUNCTIONALITY

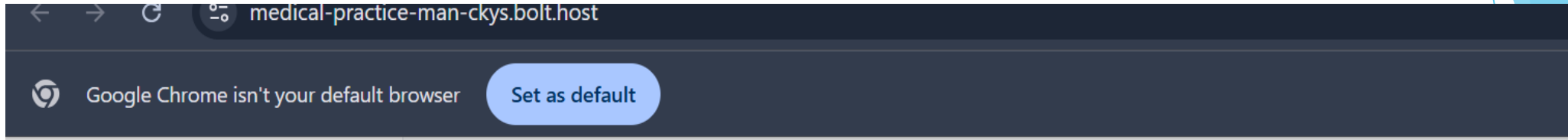
- Patient registration and medical record management.
- Appointment booking and scheduling.
- Billing and invoice generation.
- Notifications and reminders.
- Reports and analytics dashboard.
- Secure login and role-based access.

RESULTS AND SCREENSHOTS

- Demonstrates successful patient registration and appointment flow.
- Dashboard showcasing billing, appointments, and analytics.
- Responsive views for mobile, tablet, and desktop.



RESULTS



RITHISH

Medical Management



Dashboard



Patients



Products



Expenses



Billing

Patient Management

Search patients...



John Smith

Blood: O+



+1-555-0123

john.smith@email.com

Born: 5/15/1980

Allergies:

Penicillin



Sarah Johnson

Blood: A-



+1-555-0124

sarah.johnson@email.com

Born: 8/22/1992

Allergies:

Aspirin

Shellfish

RESULTS

PPT slide text creation

Rithish Medical Manager

RITHISH Medical Manage

Medical Practice Manage

Medical Practice Manage

medical-practice-man-ckys.bolt.host

Error


Google Chrome isn't your default browser

Set as default



RITHISH

Medical Management

 Dashboard

 Patients

 Products

 Expenses


 Billing

Patient Management

[+ Add Patient](#)

Add New Patient

Name	Phone
<input type="text" value="Rithish Sekar"/>	<input type="text" value="06381197003"/>
Email	Date of Birth
<input type="text" value="rithishsekar421@gmail.com"/>	<input type="text" value="08/05/2025"/>
Blood Group	Allergies (comma separated)
<input type="text" value="A+"/>	<input type="text" value="e.g., Penicillin, Peanuts"/>
Address	
<input type="text" value="5/160 chennagoundanur"/>	

 Made in Bolt

RESULTS

Product Management

+ Add Product

Q Search products...

All Categories

**Aspirin 325mg**
Pain Relief




Price: ₹1099



Stock: 150 In Stock

Manufacturer: PharmaCorp

Expiry: 12/31/2025

Over-the-counter pain reliever and anti-inflammatory

**Blood Pressure Monitor**
Medical Equipment




Price: ₹7599






Stock: 8 Low Stock

Manufacturer: MedTech Solutions

Expiry: 6/30/2027


Digital blood pressure monitor with LCD display


**MedManager**
Practice Management




Patient Management

Q Search patients...

**John Smith**
Blood: C+
+1-555-0123
john.smith@email.com
Born: 5/15/1980
Allergies: Penicillin

**Sarah Johnson**
Blood: A-
+1-555-0124
sarah.johnson@email.com
Born: 8/22/1992
Allergies: Aspirin, Shellfish

**Snipping Tool**
Screenshot copied to clipboard
Automatically saved to screenshots folder.
Markup and share

Expense Tracker

+ Add Expense

Total Expenses
Current filtered view

₹278,950
2 entries

Search expenses...



Medical Supplies Restock

Medical Supplies 1/15/2024

Monthly restock of basic medical supplies

Receipt: #MS-2024-001

Product Management

+ Add Product

Search products...

All Categories

Aspirin 325mg
Pain Relief

Price: ₹1099

Stock: 150 In Stock

Manufacturer: PharmaCorp

Expiry: 12/31/2025

Over-the-counter pain reliever and anti-inflammatory

Blood Pressure Monitor
Medical Equipment

Price: ₹7599

Stock: 8 Low Stock

Manufacturer: MedTech Solutions

Expiry: 6/30/2027

Digital blood pressure monitor with LCD display

Patient Management

Dashboard

Patients

Doctors

Appointments

Prescriptions

Medical History

Lab Results

Insurance Claims

Emergency Contacts

Referrals

Notes

Signatures

Print

Export

Import

Settings

Help

Snipping Tool

Screenshot copied to clipboard
Automatically saved to screenshots folder.

Markup and share

RESULTS

Billing System

+ Create Invoice

Total Revenue

₹0



Pending Payments

₹0



Overdue Amount

₹0



Q Search invoices...

Create New Invoice

Patient

Select Patient



Issue Date

08/30/2025



Invoice Items

Description

Quantity

Unit Price (₹)

1

0

Billing System

Total Revenue

₹0



Pending Payments

₹0



Overdue Amount

₹0




Q Search invoices...

Snipping Tool

Screenshot copied to clipboard
Automatically saved to screenshots folder.

Markup and share

CONCLUSION



➤ The Medical Practice Management System simplifies healthcare administration, improves patient experience, and ensures efficient record management.

It is scalable, secure, and adaptable for clinics of all sizes.

GITUP LINK

➤ <https://github.com/RITHISHSNM2025/RITHISH-PPT-FWD-TNSDC-2025.git>