

GITHUB PROJECT

- CREATED A MINI PROJECT
- DEVELOPED FOR GITHUB PORTFOLIO



TOPIC

HOSPITAL PATIENT RECORD SYSTEM



INTRODUCTION



India's First

India's first AI - powered hospital opens in Bengaluru



Smart Hospitals

The future of healthcare powered by artificial intelligence.

Specializations in Programming

- A Hospital Patient Record System manages patient information digitally.
- It improves efficiency, accuracy, and data security.



PROBLEM STATEMENT

- Manual record keeping is time-consuming and error-prone.
- Difficulty in accessing patient history quickly.



OBJECTIVES

Store patient records digitally

Quick access to data

Improve hospital workflow

Ensure data security



CODE

```
#include <stdio.h>
#include <stdlib.h>

struct Patient {
    int id;
    char name[30];
    int age;
    char disease[30];
};

void addPatient() {
    FILE *fp;
    struct Patient p;

    fp = fopen("patients.txt", "a");

    printf("\nEnter Patient ID: ");
    scanf("%d", &p.id);

    printf("Enter Patient Name: ");
    scanf("%s", p.name);

    printf("Enter Patient Age: ");
    scanf("%d", &p.age);

    printf("Enter Disease: ");
    scanf("%s", p.disease);

    fwrite(&p, sizeof(p), 1, fp);
    fclose(fp);

    printf("\nPatient record added successfully!\n");
}

void viewPatients() {
    FILE *fp;
    struct Patient p;

    fp = fopen("patients.txt", "r");

    if (fp == NULL) {
        printf("\nNo records found.\n");
        return;
    }
}

int main() {
    int choice;

    do {
        printf("\n\nHospital Patient Record System");
        printf("\n1. Add Patient Record");
        printf("\n2. View Patient Records");
        printf("\n3. Exit");
        printf("\nEnter your choice: ");
        scanf("%d", &choice);

        switch (choice) {
            case 1:
                addPatient();
                break;
            case 2:
                viewPatients();
                break;
            case 3:
                printf("\nThank you! Exiting program.\n");
                break;
            default:
                printf("\nInvalid choice! Try again.\n");
        }
    } while (choice != 3);

    return 0;
}
```

OUTPUT

Hospital Patient Record System
1. Add Patient Record
2. View Patient Records
3. Exit
Enter your choice: 1

Enter Patient ID: 101
Enter Patient Name: John
Enter Patient Age: 20
Enter Disease: Fever

Patient record added successfully!

Hospital Patient Record System
1. Add Patient Record
2. View Patient Records
3. Exit
Enter your choice: 1

Enter Patient ID: 102
Enter Patient Name: Jesse
Enter Patient Age: 35
Enter Disease: Diabetes

Patient record added successfully!

Hospital Patient Record System
1. Add Patient Record
2. View Patient Records
3. Exit
Enter your choice: 2

--- Patient Records ---

Patient ID : 101
Name : John
Age : 20
Disease : Fever

Patient ID : 102
Name : Jesse
Age : 35
Disease : Diabetes

Hospital Patient Record System
1. Add Patient Record
2. View Patient Records
3. Exit
Enter your choice: 3

Thank you! Exiting program.

SYSTEM FEATURES

- *Patient Registration*
- *Doctor & Staff Records*
- *Medical History Tracking*
- *Billing Management*

TECHNOLOGY USED

- *Frontend: HTML/CSS*
- *Backend: Python / Java*
- *Database: MySQL*
- *Tools: GitHub*



ADVANTAGES

- Reduces paperwork
- Saves time
- Improves data accuracy
- Easy retrieval of records



CONCLUSION

- The system enhances hospital efficiency
- Ensures better patient care

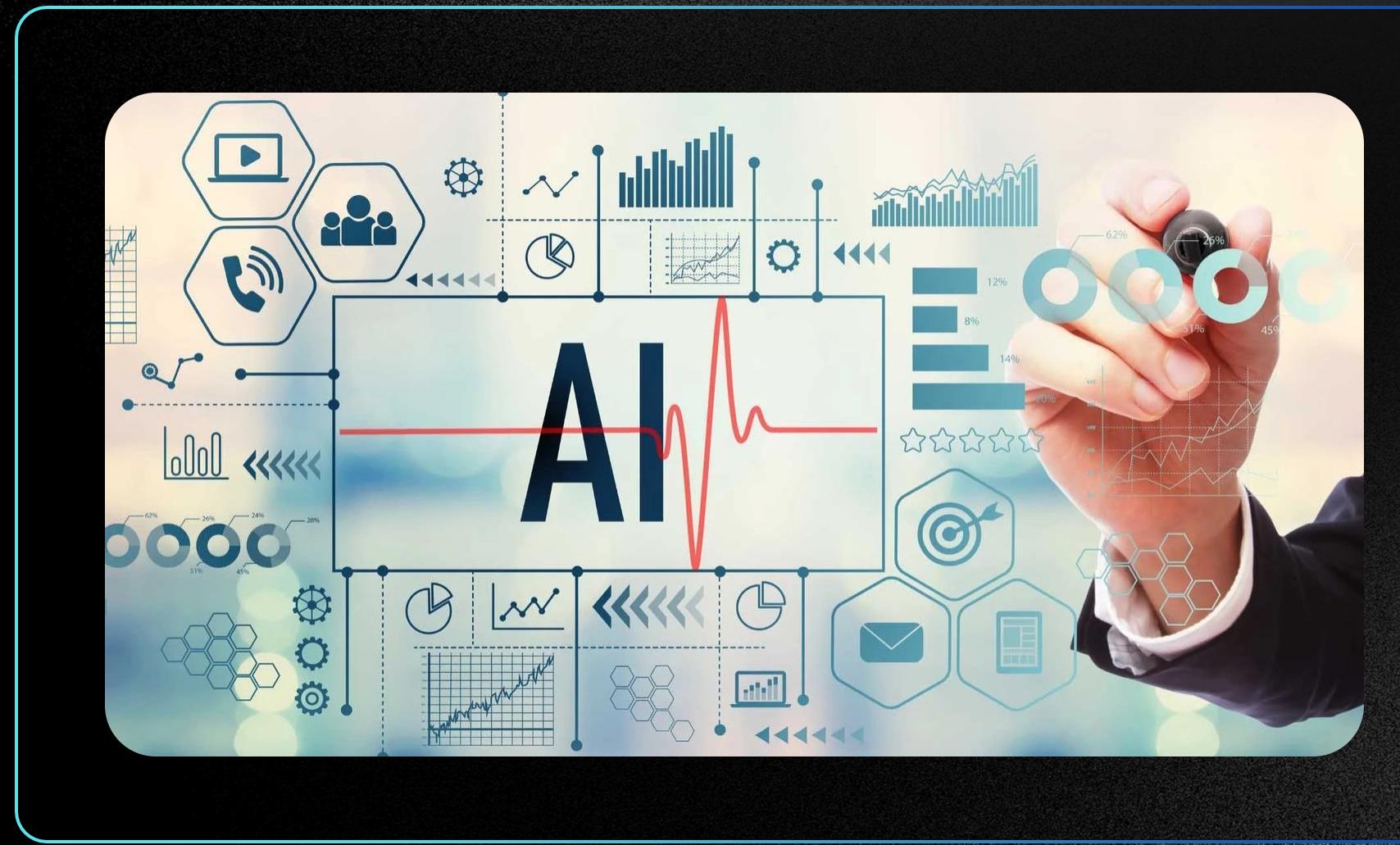


The Hospital Patient Record System successfully provides a simple and efficient way to store and manage patient information digitally. By using structures, file handling, and a menu-driven approach in C, the system allows permanent storage and easy retrieval of multiple patient records. This reduces manual work, improves accuracy, and saves time for hospital staff. Overall, the project demonstrates how basic programming concepts can be effectively applied to solve real-world problems in healthcare management.



THANK YOU

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