

# 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;
    }

    printf("\n--- Patient Records ---\n");
    while (fread(&p, sizeof(p), 1, fp)) {
        printf("\nPatient ID : %d", p.id);
        printf("\nName : %s", p.name);
        printf("\nAge : %d", p.age);
        printf("\nDisease : %s", p.disease);
        printf("\n-----");
    }

    fclose(fp);
}

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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