

SUDIP PATRA

Kolkata, West Bengal

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🐙 [Github](#)

EDUCATION

Kalyani Government Engineering College, Kalyani

2023 – 2025

MCA - Master of Computer Applications

Kalyani, West Bengal

University of Calcutta, Kolkata

2020 – 2023

B.Sc - Bachelor of Science in Computer Science (CS)

CGPA - 7.505

Kolkata, West Bengal

COURSEWORK / SKILLS

- | | | | |
|---------------------|---------------------|--------------------|------------------------|
| - Data Structure | - OOPs Concepts | - DBMS | - Software Engineering |
| - Operating Systems | - Computer Networks | - Machine Learning | - Data Analytics |

PROJECTS

i. Attendance System using Face Recognition

Technologies: Python | OpenCV | face_recognition | Firebase Realtime Database

- Implemented face detection and recognition algorithms.
- Integrated Firebase Realtime Database for real-time attendance tracking.
- Designed a user-friendly interface for displaying employee details and attendance status.
- Enabled secure image storage in Firebase Storage for employee photo references.

GitHub : <https://github.com/SudipPatra35/AttendanceSystem>

ii. Hospital Management System

Technologies: Java | MySQL | JDBC | MySQL Connector/J | JDK | VS Code

- Patient Management: Developed a module for managing patient registration and details.
- Doctor Management: Implemented functionalities for retrieving and managing doctor information.
- Appointment Booking: Designed a system for scheduling appointments with availability checks.
- Database Integration: Utilized MySQL for data storage and integrity with relational tables.
- JDBC Integration: Enabled seamless communication between Java and MySQL using JDBC.
- Error Handling: Implemented robust error handling and data validation for performance.
- Modular Design: Adopted a modular approach for improved code organization and maintainability.

GitHub : <https://github.com/SudipPatra35/Hospital-Management-System>

iii. Sales Analysis

Technologies: MySQL | Power BI | Excel

- A detailed report outlining sales trends, product performance, customer behavior, and channel analysis.
- Sales forecasting models with future sales predictions.
- Interactive dashboards displaying sales KPIs and visualizations of sales performance.

- Recommendations for improving sales strategies, product offerings, and customer engagement.

GitHub : <https://github.com/SudipPatra35/Data-Analysis-Projects>

Languages: Python | Java | C | SQL

Technologies: Pandas | Numpy | Matplotlib | Excel | PowerBI

Developer Tools: VS Code | Jupyter Notebook | PyCharm | IntelliJ | Canva

CERTIFICATIONS

- Python Data Structures - Great Learning
- Introduction to Artificial Intelligence - Great Learning
- MySQL and RDBMS – Cognitive Class
- [Java Full Stack Certification - Wipro TalentNext](#)