

SARTHAK PANIGRAHI

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PROFESSIONAL EXPERIENCE

TCS

Smart Home Automation System using IoT

pune, maharastra

09/2025 - Present

- This project involves designing a smart home automation system using the Internet of Things (IoT). The system will allow users to control various home appliances (like lights, fans, and security systems) remotely through a smartphone application. Using sensors and microcontrollers like Arduino or Raspberry Pi, the project integrates IoT technology to automate tasks, monitor energy consumption, and provide real-time notifications for enhanced convenience and security.

atlasian

Employee Attendance System using Face Recognition

mumbai, maharastra

09/2022 - 05/2025

- This project focuses on creating an automated employee attendance system using facial recognition technology. It utilizes a camera, a facial recognition algorithm (like OpenCV or deep learning models), and a database to record employee attendance as they arrive at the office. The system can be enhanced with features such as time-based access control, a user-friendly dashboard for HR management, and a report generation system for attendance tracking and analysis.

IBM

TWeather Forecasting System using Machine Learning

pune, maharastra

12/2019 - 008/2022

- This project aims to develop a weather forecasting system by leveraging machine learning algorithms to predict weather conditions based on historical data. The system collects data such as temperature, humidity, wind speed, and pressure from public APIs or sensors and then processes this data using models like Linear Regression or Decision Trees. The project can include features like real-time weather updates, graphical visualizations of predicted weather trends, and a user-friendly interface for easy access. This would give a fresher hands-on experience with data analysis, machine learning techniques, and API integration.

EDUCATION

Jspm university

Btech, computer science

pune, maharastra

09/2016 - 11/2019

MISC.

- * Licenses & certifications
- * Volunteering
- * Publications
- * Patents