

Dhyanendra Tripathi

[Projects](#) • [linkedin](#) • dhyanendra22101@iiitnr.edu.in • Phone: +91 7355206518

Education

International Institute of Information Technology, Naya Raipur

Raipur, Chattisgarh

Bachelor of Technology

Current CGPA: 9.07

2022-2026

Relevant Coursework: Data Structures and Algorithms, Software Development, Database management system, C Programming, OOPs , Operating Systems.

Projects

Student Database Manager

June 2023 – July 2023

- Developed a Student Database Management System using Python, allowing administrators to manage student data effectively. It utilizes the principles of Object-Oriented Programming (OOPs) and leverages the power of custom Tkinter for the graphical user interface.
- Learned to use various libraries in Python including matplotlib, os, fpdf.
- Used JSON files for efficient storage and retrieval of user data in the student database manager.
- Learned to use git and GitHub.

Personal Assistant for IOT-based home automation

May 2023 – July 2023

- Developed a system designed to work with a Raspberry Pi and connected appliances, providing both voice-activated control and manual interaction using a user-friendly Android application.
- Developed the Android application using MIT app inventor and integrated it with the Firebase server for real-time sensor readings and control.
- Integrated various sensors with the system so as to achieve home automation.
- Developed code for Raspberry Pi to connect to the Firebase server and process the values updated on the Firebase server so as to control various connected appliances.

Contactless liquid level controller

November 2022 – February 2023

- Developed a circuit using Arduino UNO and ultrasonic sensor so as to detect water level and automatically fill or empty the liquid container based on the water level.
- Coded Arduino code to process the input from the ultrasonic sensor to detect the liquid level and fill or empty the container accordingly.

Leadership & Activities

The Society of Coders(TSOC), IIITNR

Core Member

Provided Guidance to over 200+ students.

Helped organize various coding events @IIITNR

Achievements

- [Specialist@ Codeforces](#) (Max Rating: 1555)
Solved over 600+ problems.
- **CodeChef 3-star** (Max Rating: 1764)
Achieved global rank 6 in Codechef Div.4
- [Meta Hacker Cup](#)
Round 1 qualified Global Rank 4291.
Round 2 Global Rank 3532.

Skills

Competitive Programming | C++ | Java | JSON | Python | C | HTML | CSS | JS | IOT | Latex | DSA | Machine Learning | Problem Solving |