

SKILLS

Engineering

- **Programming Languages:** C, C++, Python, Java, Shell Scripting, Verilog
- **Database Management:** MySQL, PISql
- **Data Science:** Machine Learning, Matplotlib, Pandas, Numpy, Computer Vision (using OpenCV)
- **Technical Skills:** Microsoft Excel, Microsoft Word, Version Control (using Git), Power BI
- **Additional Skills:** HTML, CSS, Linux, Raspberry Pi, Arduino, ESP32, Robotics and Automation

General

- **Language Skills:** - English, Hindi

PROJECTS

Face-Matrix:

- Developed using **Python, OpenCV, NumPy, Pandas, tkinter**, and **customtkinter**.
- Captures and trains facial images for attendance.
- Implements **machine learning** for real-time face recognition.
- Marks and stores attendance data in a **CSV file**.
- GUI designed with **tkinter** and **customtkinter**.
- Suitable for contactless attendance in educational and organizational settings.

Intelligent Fill-Control:

- Developed using **Python** and **IoT concepts**.
- Utilizes a **Raspberry Pi** and **ultrasonic sensor** to monitor water levels.
- Automatically controls water flow based on tank level.
- Displays real-time water level on an **8-segment display**.
- Includes warning system with **LEDs** and **buzzers** for low/high levels.

EDUCATION

- **10th Standard (2019):** 90%
- **12th Standard (2021):** 85%
- **Bachelor of Technology in Computer Science and Engineering**
College: VIT Bhopal University
CGPA: 9.02

ADDITIONAL PERKS

- **Certifications:** The Bits and Bytes of Computer Networking (Coursera) , Cloud Computing (NPTEL),
- **Awards/Activities:** Received the certificate of "Advent of Cyber 2023" for successful completion on Try-HackMe

EXPERIENCE

- Internship at Indian Space Lab [December 2024 - January 2025]