Dayanand

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 github.com/dayanandXdarpan | 🌐 Portfolio | Vaishali, Bihar

Education

Government Engineering College, Vaishali — Vaishali, Bihar
B.Tech - Computer Science & Engineering (IoT Specialization) — Expected Graduation: May 2026
CGPA: 7.23 (Up to 3rd Semester)
Relevant Coursework: Data Structures & Algorithms, OOP, DBMS, AI, Computer Architecture, OS, Cryptography, Computer Networks, Internet of Things

Skills

Programming Languages: Python, C++, C
Web Technologies: Flask, React, JavaScript, HTML, CSS
IoT: Arduino, Raspberry Pi, NodeMCU, Sensors (PIR, DHT11), Blynk
Databases: MySQL, MongoDB
Developer Tools: Git, GitHub, VS Code
Operating Systems: Linux, Windows
Concepts: Data Structures & Algorithms (DSA), API Integration, AI/ML Fundamentals, Prompt Engineering

Projects

No Dues Verification Web App

- Developed a web application using Python/Flask to streamline the 'no dues' clearance process.
- Implemented backend logic, admin authentication, and student record tracking features.
- Designed a responsive front-end using HTML/CSS/JavaScript; Deployed on Railway.app.
- *Technologies:* Python, Flask, HTML, CSS, JavaScript, Git, Railway.app

Telegram Bot Automation System

- Engineered multiple automated Telegram bots using Python and the `python-telegram-bot` library.
- Automated tasks including affiliate offer filtering, group announcements, and cross-platform data forwarding.
- Utilized external APIs for enhanced functionality and MongoDB for logging bot interactions.
- *Technologies:* Python, Telegram Bot API, MongoDB, Requests library, Git

IoT-based Smart Room Automation System *(Ongoing)*

- Designing and developing a prototype to enable remote control of room appliances via a mobile/web interface.
- Utilizing Arduino and NodeMCU for processing sensor inputs (PIR, DHT11) and controlling actuators.
- Integrating the Blynk application/platform for user interface and device communication over Wi-Fi.
- *Technologies:* Arduino, NodeMCU, C++, Blynk, PIR Sensor, DHT11 Sensor, Wi-Fi Module

Experience

Web Development Intern – *Bharat Intern (Online)* — Mar 2024 – Apr 2024

- Developed responsive front-end components (HTML/CSS/JS) and integrated with Python/Flask APIs.
- Practiced version control using Git/GitHub and familiarized with web deployment processes.

Python Programming Intern – *CodeClause (Online)* — Jan 2024 – Feb 2024

- Developed various small-scale Python applications and automation scripts.
- Applied object-oriented programming principles, file I/O operations, and basic data processing techniques.

Certifications

- Full Stack Web Development Program – Divya Samparak (Offline, 40 hrs, 2024)
- IoT Program – Divya Samparak (Offline, 40 hrs, 2024)
- IT Essentials – Cisco (2024)

Extracurricular Activities

Coordinator – Pixel Photography Club, GEC Vaishali: Organized campus photography workshops and events; managed visual content creation for college festivals.

Languages

Hindi (Native) | English (Professional Working Proficiency)