Vibhanshu Jain

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About

I am a final year B.Tech Student in Electrical and Computer Engineering from Manipal University Jaipur with a CGPA of 8.12, I have a strong foundation in **Full Stack Development.** I am highly motivated to apply my technical skills and contribute to project involving Software Development and Web Technology.

Quick Guide

- I have a proficiency in programming languages like **Java, JavaScript, Python and C++.**
- My expertise includes web development with frameworks and technologies like **Node.js, Express.js, FastAPI and React.js**.
- I have hands-on experience with databases like **MongoDB** and **MySQL** and am well versed in version control tools like **Git** and **Github**.
- I am comfortable working with development environment like Visual Studio Code, Intellij Idea and utilize npm for package management.

Education

Manipal University Jaipur, B.Tech. in Electrical and Computer   Oct 2021 – July 2025
- GPA: 8.12/10
- **Coursework: Data Structures**, **Database Management System**, Analog and Digital System.

D.T.E.A. Senior Secondary School, CBSE 12th, Marks: 78.2%   Apr 2019 – Mar 2020

Happy Senior School, CBSE 10th, Marks: 76.8%   Apr 2017 – March 2018

Projects

PyChan - AI Python Tutor   Jan 2025 – Feb 2025
- PyChan is an AI powered tutor designed to assist users in learning Python.
- Backend - **FastAPI(Python)**, Frontend - **React**, Integrated with **Gemini API** for intelligent feedback.
- Gained hands on experience with FastAPI and React.

Music Streaming Platform   Sep 2024 – Nov 2024
- Built a full-stack music streaming platform using the MERN stack (**MongoDB, Express.js, Node.js, Reactjs**).
- Designed and implemented a responsive and user-friendly front-end with Reactjs, ensuring cross-device compatibility.
- Developed backend APIs using **Node.js** and **Express.js** to manage **user authentication**, **song streaming**, and **playlist functionalities**.

Smart Object Control via Facial Recognition   Oct 2024 – Dec 2024
- Developed a smart object control system that uses **facial recognition** to identify and authenticate users to control IoT devices.
- Implemented a facial recognition algorithm using the **Siamese Neural Network**, achieving high accuracy in detecting and verifying users in real time.
- Integrated the system with **ESP8266** and **Servo Motor**, allowing users to control them through a facial recognition interface.