

# DHARMENDRA KUMAR

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<https://github.com/Dharam-GitHub>

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## ABOUT ME

Computer Science undergraduate at VIT Bhopal with hands-on experience in *web development* and *machine learning applications*. Skilled in building responsive *web platforms* and *AI-powered solutions*, with projects ranging from a *real-time sign language detection system using YOLOv5* to a smart city pathfinding simulation in Java. Strong foundation in algorithms and software engineering, with the ability to deliver scalable, user-focused applications.

## EDUCATION

### Vellore Institute Of Technology

B. Tech (School of Computer Science and Engineering)

2022-2026

P D D Saraswati Vidya Mandir(Class 12<sup>th</sup>)

2020-2021

P D D Saraswati Vidya Mandir(Class 10<sup>th</sup>)

2018-2019

## SKILLS

**Programming:** Java, C++ , [GeekForGeeks](#), [Leetcode](#)

**Web Development:** HTML, CSS, JavaScript, React

**Databases:** MySQL, PostgreSQL

**Framework:** OpenCV, NumPy

**Tools & Platforms:** Git, GitHub, VS Code, Colab, Jupyter

**Related Coursework:** Computer Vision, DBMS, Programming in Java, Fundamentals of AI and ML

## PROJECTS

### 1. Sign Language Detection System (YOLOv5) [GitHub](#)

- Developed a **real-time sign language recognition system** to aid communication for hearing-impaired individuals. The system recognizes gestures such as "Hello," "No," and "Bye," providing instant visual feedback through webcam input with high accuracy.
- Tech Used: Python, YOLOv5, OpenCV, NumPy, Pandas

### 2. Personal Portfolio Website

- Built a **multi-section personal portfolio website** to showcase projects, skills, certifications, and achievements. Includes Home, About Me, Skills, Projects, Certifications, and Contact sections, with smooth scrolling, interactive "See More" buttons, and a fully responsive design.
- Tech Used: HTML, CSS, JavaScript

### 3. Skill-Share-Hub [GitHub](#)

- Developed a role-based platform for teachers and students to manage sessions, upload materials, and control access. Built intuitive dashboards and a backend API for seamless content management, with plans for notifications and progress tracking.
- Tech Used: React, TypeScript, Node.js, PostgreSQL, TailwindCSS

## CERTIFICATIONS

### 1. IBM Career Education Program (provided by IBMCE)

- Certified in IBM [Fundamentals](#) and [Developer](#)

### 2. Ethnus(Codemithra)

- Certified Ethnus MERN Stack Developer, ([Certificate Verification - Ethnus](#)), ID: R4CPT52R

### 3. Coursera (offered by Google)

- Bits and Bytes of Computer Networking, ([Bits and Bytes](#))

## EXTRACURRICULAR ACTIVITIES

**Webinar Participation** – Attend webinars and workshops on *Machine Learning*, *Web Development*, and *Emerging Technologies* to enhance technical knowledge.