Varun kumar

WEB DEVELOPER

Details

New horizon college of engineering bangalore,Karnataka
BENGALURU, 560103
India
+91 6299240355
varunmailme07@gmail.com

NATIONALITY

Indian

DATE / PLACE OF BIRTH

17-06-2002
Bihar

Links

Github

linkedin

Portfolio_AboutMe

Skills

SQL

Database Management

Programming Languages

JAVA

Html,Css & javascript

Hobbies

National Sepak Takraw Player (2019)
•Represented Bihar as Team Captain at the National Championship

Education

10th, DAV public school kankarbagh patna-26, Patna

MARCH 2019 — FEBRUARY 2020

percentage - 68 %

12th, New Era public school patna-26, Patna

MARCH 2021 — FEBRUARY 2022

percentage - 68 %

B.tech, New horizon college of engineering, BENGALURU

OCTOBER 2022 — JUNE 2026

Cgpa - 7.2

Internships

Web Development Internship, Octanet, BENGALURU

SEPTEMBER 2024 — OCTOBER 2024

This project is a responsive and interactive Gym & Fitness Website developed using **HTML**, **CSS**, and **JavaScript**. It is designed to promote a fitness center or gym by showcasing services, membership plans, diet plans, workout schedules, and enabling user interactions like queries or joining online.

Projects

1. Automated-Checkout-system

Developed an **automated checkout system** leveraging front-end technologies (HTML, CSS, JavaScript) integrated with a **custom-trained Machine Learning model** for object detection and recognition.

- Utilized a **webcam** interface in the browser to capture real-time video input.
- Integrated a **trained ML model** (using TensorFlow.js or a similar library) that converts live webcam frames into numerical matrices (tensors).
- The model processes each frame to **predict object classes** with associated **probability scores**, enabling the identification of items in real time.
- Recognized objects are **matched against a product database**, and relevant item information (e.g., name, price, ID) is retrieved dynamically.
- The system simulates the function of a **self-service checkout**, aiming to reduce dependency on human staff in retail environments.

2. Medical-Chatbot

- Built and deployed an **AI-powered medical chatbot** for answering health-related queries using **natural language processing** (NLP).
- Set up a clean environment using **Conda** (medicalbot) and installed dependencies from requirements.txt.
- Performed **model tuning** to improve chatbot accuracy and response quality using customized training data and parameter optimization.
- Implemented **deployment-ready architecture** to serve the chatbot via a local or cloud-based interface (e.g., Flask or FastAPI).
- Ensured secure, efficient, and user-friendly interaction for real-time **symptom checking** and **medical advice**.

3. Portfolio

Designed and developed a **fully responsive personal portfolio website** to showcase my professional background, technical skills, projects, and contact details. This project reflects my work in **web development, machine learning, and open-source contributions**.

- **Projects Section**: Highlights key projects with GitHub links and short descriptions
- **Skills Section**: Showcases front-end, back-end, and technical tools expertise
- **Responsive Design**: Optimized for mobile, tablet, and desktop screens
- **Animations & Interactivity**: Smooth scroll, hover effects, and navigation transitions using JavaScript
- Hosted on **GitHub Pages** for free and fast deployment
- Version-controlled using **Git** and GitHub