

# VIKASH KUMAR SINGH

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## EDUCATION

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### VIT BHOPAL UNIVERSITY

2022-26

Bachelor of Technology, Computer Science (Cyber Security & Digital Forensics)

CGPA: 8.32

### XII (CBSE) | B.L. Indo Anglian Public School

2021

74.2%

### X (CBSE) | D.A.V. Public School

2019

81.6%

## ACADEMIC PROJECTS

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### TrainTogether - Fitness Web Application

- Built a responsive fitness application allowing users to search exercises by **muscle group, equipment, or body part**, with detailed GIF animations and step-by-step guides.
- Integrated **RapidAPI ExerciseDB** and **YouTube Search API** to fetch 1,300+ exercises and related workout videos dynamically.
- Implemented **React Router v6** for seamless navigation across Home, Exercise Details, and Recommendations pages.
- Used **Material UI** for modern, responsive UI components and **custom hooks** for clean data fetching.
- Added **similar exercises** and **target muscle suggestions**, improving user workout discovery experience.

### ingreSnap - Smart Ingredient Scanner

- Contributed to the development of ingreSnap, a user-centric solution that extracts and analyzes ingredient lists from packaged food labels using OCR.
- Enabled automatic detection of allergens, additives, and key nutritional components, helping users make informed dietary choices.
- Integrated OCR technology to convert food label images into structured, searchable ingredient data.
- Focused on accessibility, accuracy, and performance, optimizing the UI/UX for seamless user interaction.
- Designed with health-conscious users in mind, ensuring clarity in identifying potentially harmful or unwanted ingredients.

## POSITION OF RESPONSIBILITY / Achievements

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### E-cell (Entrepreneurial Cell) | VIT Bhopal University

#### Event Management

Worked as a volunteer in Aarohan, A Business Model Competition

**Hackathon Finalist – NeoCodeathon (NeoPAT Monthly Hackathon) | VIT University (all 4 campuses), [June-2025]**

Selected as a **finalist** in a monthly coding competition open to all four VIT campuses.

## SKILLS

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

**Programming Skills:** C++, Java, Python, SQL

**Tools:** Tableau, Microsoft Excel

**Relevant Coursework:** Object-Oriented Programming (OOP), Operating Systems, Computer Networks, Database Management System, Data structures and Algorithm