

Omkumar Patel

Student

Mumbai, Maharashtra

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PROFILE

As a highly motivated and diligent student, I am inquisitive and have the acumen for new technologies and innovations. With my positive attitude and strong work ethic, I can make a valuable contribution to any team.

I am genuinely passionate about learning and am always seeking to expand my knowledge base by exploring new programs and technologies. My enthusiasm for the field is matched only by my drive to succeed, making me a reliable and influential member of any organization.

EDUCATION

Vellore Institute of Technology Chennai — Btech (CSE)

2021 - 2025

B.K. BIRLA PUBLIC SCHOOL, KALYAN- (10+2)

2019 - 2021 (93%) - CBSE

B.K. BIRLA PUBLIC SCHOOL, KALYAN- 10th Grade

2018 - 2019 (94.6%) - CBSE

SKILLS

C/C++ (Advanced)	Figma (Intermediate)
Python (Intermediate)	Cloud Computing (Ongoing Certification)
Java (Intermediate)	Machine Learning (Beginner)
Git (Intermediate)	MongoDB (Beginner)
Arduino (Beginner)	SQL (Beginner)
R (Beginner)	Information Security
Ubuntu/Kali Proficiency	HTML/CSS/Javascript (Intermediate)

Subjects

Operating Systems

Theory of Computation

Database Management Systems

Analytical Mathematics

Advanced Algorithms

Computer Architecture

Compiler Design

Computer Networks

User Interface/ User Experience (UI/UX)

Microprocessors and Microcontrollers

AWARDS

Round 2 (Healthtech) - Krypton Hackathon conducted by the Android Club, VIT Chennai

Ball-Badminton (Nationals)

LANGUAGES

English

Hindi

Marathi

Gujarati

PROJECTS

Computerized Inputs through Brain Waves using EEGs (Ongoing)

I am working on a project to build an electroencephalogram (EEG) from the ground up. Our goal is to develop cutting-edge technology that can accurately read and filter Alpha and Beta Waves emanating from the human brain, which exhibits distinct values for each unique thought process.

By meticulously configuring these different values to match various computer inputs, we aim to create a revolutionary input system that relies solely on our thoughts. This paradigm-shifting technology has the potential to transform the way we interact with computers and could lead to groundbreaking advancements in fields such as medicine, gaming, and communication.

Health Application (Ongoing)

The proposed app creates a personalized list of medicines and medical supplies for travelers accounting for the destination's health risks, weather, and user's medical history. The app allows users to enter their medical history, current medications for accuracy and provides information about medical facilities in the destination city. In case of emergency, users can search for nearby hospitals or pharmacies via the app. Using advanced algorithms and machine learning models, the app delivers personalized recommendations based on age, gender, allergies, and medical history. It also includes information about dosage, usage, and potential side effects. Overall, the app is a reliable tool to ensure that travelers are prepared with essential medical supplies while visiting new places.

Web Application

During the Webverse Hackathon, I developed a hostel management system by integrating multiple APIs. Collaborating with my team, we successfully implemented functionalities like room allocation, student registration, and billing. My well-structured code and adherence to best practices were recognized. Presenting our final product to judges allowed me to showcase problem-solving skills and meet tight deadlines. Using React.js and Tailwind CSS, I ensured a responsive and visually appealing user interface. Our project received positive feedback for its modern design and smooth functionality.

EXTRA-CURRICULAR

Karate

Football

Ball-Badminton

Athletics

Linux Club (Content & Management Dept.)

SOCIALS

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[LINKEDIN](#)

[GITHUB](#)