

# VIVEK CHOURE

vivekchoure606@gmail.com | (+91) 7067368075



## SKILLS

- **Programming Language:** C++
- **Database & Querying:** SQL, Database Management Systems (DBMS)
- **Concepts:** Object Oriented Programming (OOPs), Data Structures & Algorithms
- **Tools/Concepts:** MySQL Workbench, Computer Networks
- **Web Development:** HTML, CSS, JavaScript, React (basic)

## EDUCATION

- **Bachelor of Technology**  
Electronics | MITS Gwalior | CGPA: 8.4 | 2021-2025
- **XII (CBSE)**  
MGM Higher Secondary School | 87.4% | 2020

## ACADEMIC PROJECTS

❖ **BookNexusDB** {BookNexusDB}  
*Tech Stack: SQL, MySQL Workbench*

- Gained hands-on experience with real-world data through an SQL project involving books, customers, and orders datasets.
- Explored sales patterns, top-selling books, and customer behavior using joins, grouping, and indexing techniques.

❖ **DuoConnect** {DuoConnect}  
*Tech Stack: React.js, WebRTC, Socket.IO*

- Developed a video conferencing application using React.js, enabling real-time communication between two users.
- Implemented features for seamless audio and video connectivity, enhancing user experience and interactions.

❖ **Solar Scout** {SolarScout}  
*Tech Stack: Arduino Nano, LDR Sensors, Arduino IDE*

- Designed a solar tracking system using Arduino Nano and LDRs to auto-adjust panel orientation based on sunlight intensity.
- Achieved 30% higher energy efficiency over fixed panels through real-time sun tracking using servo motors.
- Authored a research paper on *Solar Scout*, recognized by faculty and peers for its innovative approach to renewable energy.

## EXPERIENCE

### ❖ Antenna Design Research Intern

[{Credentials}](#)

*MITS Gwalior | June 1, 2024 – Aug 15, 2024*

- Researched and developed 5G and 4G antenna designs, improving signal strength and coverage.
- Optimized antenna models to meet industry standards and performance metrics.

### ❖ Technical Content Writer

*IETE Students Forum MITS | August 2022- February 2025*

- Generated compelling technical content for coding events and hackathons.
- Crafted professional emails and composed letters to promote events.

## POSITION OF RESPONSIBILITY

### ❖ Vice President

[{Vice President}](#)

*IETE Students Forum MITS | October 1, 2023 – Present*

- Led the organization of coding contests, workshops, and webinars, attracting over 400 participants
- Coordinated technical events, overseeing a team of 30 members and ensuring smooth execution.

### ❖ Head boy & Assistant Head boy

*MGM | 2020 & 2019*

## CERTIFICATIONS

- Fuzzy sets, and logic and applications – NPTEL [{Link}](#)
- Advance Remote Sensing techniques for geological applications – ISRO [{Link}](#)
- 50 SQL questions on LeetCode [{Link}](#)