

# KOPAL VERMA

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## EDUCATION

Vellore Institute of Technology

Bhopal, MP, India

B.Tech in Computer Science Engineering | GPA: 8.57

Sept, 2023 – May, 2027

Mercy Memorial School

Kanpur, UP, India

ICSE | 12th - GPA: 9.1 – June, 2022 | 10th - GPA: 9.4 – June, 2020

## PROJECTS

Simon Says Game

March 2024-April 2024

- Developed an interactive Simon Says game website using HTML and JavaScript.
- Programmed game logic to challenge users' memory and attention skills.
- Implemented responsive design principles for seamless gameplay across various devices.
- Utilized JavaScript to track and display high scores, encouraging competition and replayability.

## EXTRACURRICULARS AND ACHIEVEMENTS

Smart India Hackathon 2023 – G20 Grand Finalist |

- Triumphed as a G20 Smart India Hackathon Grand Finalist.
- Managed a cross-functional team of 4 members from diverse domains through the intensive 5-day hackathon, steering them to the grand finale.
- Developed a novel solution using biomimicry to provide regular piped drinking water in rural areas.
- Researched and built a rapid prototype of a Bio-membrane that extracts water from the air.
- Awarded *Best Performing Team* at IDE Bootcamp 2024, showing entrepreneurial passion.

Student Internship Program – MP Police 2024

- Visited MP Police Cyber Cell to study real-time digital crime investigation and cyber threat handling.
- Conducted awareness surveys among literate and illiterate populations to assess cybercrime knowledge.
- Promoted cyber safety in rural schools through interactive sessions and digital hygiene campaigns.
- Explored police operations at Dial 100 and Mahila Thana, gaining insight into emergency response systems.
- Collaborated with MP Police to organize and participate in a hackathon focused on anti-cybercrime solutions.

## SKILLS

- Programming Languages:** Python, C++, Java, C, JavaScript, HTML, CSS
- Technologies:** MongoDB, Express.js, React.js, Node.js, MySQL, PostgreSQL, NoSQL, Git, and GitHub
- Core Concepts:** Data Structures, Algorithms, Object Oriented Design and Programming , RESTful API architecture, Computer Networks, Database Management Systems, Operating Systems