

Vaibhav Patil

Burhanpur, Madhya Pradesh, India

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering - CGPA: 8.73

Sep 2022 - May 2026

Bhopal, Madhya Pradesh

Govt Higher Secondary School Sirpur

Higher Secondary School Certificate (Percentage: 88.8%)

May 2021– May 2022

Burhanpur, Madhya Pradesh

Govt Higher Secondary School Sirpur

Secondary School Certificate (Percentage: 93.7%)

May 2019– May 2020

Burhanpur, Madhya Pradesh

Technical Skills

Programming Languages: C++, SQL, JavaScript.

Development: HTML, CSS, React.js, Node. Js.

Databases: MySQL, MongoDB

Tools & Technologies: AWS, Git, GitHub, Blender, Unity, Canva.

Relevant Coursework: Operating System, Database Management Systems, Computer Networks, Object-Oriented Programming, Data Structures and Algorithms, Cloud Computing

Projects

Fun-Strike-4 Web Game | HTML, CSS, JavaScript, React.js | [Link](#)

Jan 2025 - May 2025

- Developed an interactive web-based Connect Four-style board game featuring both two-player (local) and single-player vs AI modes, with a 7×6 grid-based turn system that enables disk-drop gameplay and automatically detects win conditions.
- Implemented a single-player AI opponent using a backtracking-based decision algorithm, while managing core game logic such as player turns, move validation, and winner detection using JavaScript.
- Created a responsive React based UI with reusable components to ensure smooth and user-friendly gameplay.

Crime Navigator | React.js, Node.js, Express.js, MongoDB, Machine Learning | [Link](#)

Oct 2024 - March 2025

- Developed a full-stack MERN web application to analyze and predict crime trends across cities and states, implementing parameter-based filtering (location, crime type, time range) and integrated a Flask-based ML backend to predict future crime risk.
- Designed a user-friendly interface with clean data visualization, ensuring smooth navigation and meaningful insights for decision making, responsive design, and intuitive filtering for enhanced usability across devices.

AR Discoveries – Interactive Learning for Kids | Unity, Vuforia, Blender, Augmented Reality | [Link](#)

Oct 2023 - May 2024

- Designed and implemented an Augmented Reality educational application using Unity and Vuforia, leveraging AR marker tracking, 3D object recognition, and AI-powered voice-enabled description panels to deliver real-time interactive digital content
- Enabled real-time augmented reality visualization of 50+ objects using image-based triggers.

Coding Profiles

[Leetcode](#), [GeeksforGeeks](#), [Codeforces](#)

- Solved 750+ Data Structures & Algorithms problems in C++, SQL across GeeksforGeeks and LeetCode, Codeforces demonstrating strong analytical, problem-solving, and optimization skills.

Achievements

- STARS Scholarship:** Awarded a **100% Merit Scholarship** by VIT Bhopal University for achieving the rank of **District Topper** in Class XII examinations.
- Ranked among the Top 50 teams in the ZS Campus Beats Challenge.
- EricssonEdge Academia Recognized for outstanding achievement, securing a spot in the Top 500.

Certifications

- Simplilearn:** Foundations Knowledge of cloud and AWS. | [Link](#)
- HackerRank:** Frontend Developer React Certificate | [Link](#)
- Great Learning:** Data Structure and Algorithms | [Link](#)

Languages

English , Hindi , Marathi