

Vaibhav Patil

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Education

VIT Bhopal University

Aug. 2022 – May 2026

Bachelor of Technology in Computer Science (CGPA: 8.71/10)

Govt H.S.S. Sirpur, Burhanpur

May 2021 – May 2022

Higher Secondary School Certificate (Percentage: 88.8%)

Govt H.S.S. Sirpur, Burhanpur

May 2019 – May 2020

Secondary School Certificate (Percentage: 93.7%)

Technical Skills

Programming Languages: C, C++, Python, SQL, JavaScript

Development: HTML, CSS, React.js, Node.js, , Express.js, RESTful APIs, Unity(Game Development)

Databases: MySQL, MongoDB

Tools & Technologies: AWS, Git, GitHub, Postman, Blender, Vuforia(Ar/Vr)

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

Projects

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

Jan/2025

- Developed a full-stack Crime Prediction and Analysis Web Application using **MERN** stack and Flask for the machine learning backend. Implemented real-time crime forecasting models based on user-selected parameters, visualized crime trends with dynamic charts, and integrated real-time news for actionable insights.

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

Jan/2024

- Designed and implemented an Augmented Reality educational app using Unity and Vuforia, leveraging AR marker tracking and 3D object recognition for real-time interactive digital content leveraging AI voice-enabled description panels, AR marker tracking

FunStrike4-WebGame: | React.js, Node.js, JavaScript, TypeScript | [Link](#)

May/2025

- Developed an interactive Webgame with dual gameplay modes competitive 2-player (local) and single-player vs AI,a colorful and responsive UI using React, TypeScript, Node.js, JavaScript, HTML, and CSS.
- Engineered a smart AI opponent using optimized decision algorithms for challenging single-player mode.
- Designed a 7x6 turn-based grid system with win-condition checks (horizontal, vertical, diagonal) for accurate gameplay.

Coding Profiles

Competitive Programming ([GeeksforGeeks](#) & [LeetCode](#))

750+ algorithm and data structure problems solved, showcasing problem-solving, and logical reasoning abilities

- Achieved mastery in DSA by solving 400+ GeeksforGeeks and 350+ LeetCode & Codeforces problems in C++,Python optimizing solutions for efficiency.

Achievements & Responsibilities

- Awarded the **Dreamed STARS Scheme 100%Scholarship** by VIT Bhopal.
- 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**.
- Secured first rank in district in class 12th and third in block in class 10th.
- Core Member of the Coding Blocks Club at VIT Bhopal.

Certifications

- University of Michigan:** Intro to AR/VR/MR/XR: Technologies, Applications & Issues
- Simplilearn:** Foundations Knowledge of cloud and AWS.
- HackerRank:** Frontend Developer React Certificate.