

Vaibhav Patil

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science

Oct./2022 – Ongoing

CGPA: 8.73/10

Govt H.S.S. Sirpur, Burhanpur

Higher Secondary School Certificate

May/2022

Percentage: 88.8%

Govt H.S.S. Sirpur, Burhanpur

Secondary School Certificate

May /2020

Percentage: 93.7%

Technical Skills

Programming Languages: C++, SQL, HTML, CSS, JavaScript, C, Java, React, Node.js, Express.js.

Developer Tools: AWS, Git, GitHub, MongoDB, Blender, Unity Engine.

Relevant Coursework: Cloud Computing, DBMS, Operating System, DSA, OOPS, Computer Network.

Projects

Crime Navigator |

Jan/2025

- Built a **full-stack** Crime Prediction and Analysis Web Application built with the MERN-stack and Flask for ML backend. Visualizing crime trends and forecasting using machine learning. Features include dynamic charts, real-time news. Machine learning model for real-time crime forecasting based on user-selected parameters.

FunStrike4-WebGame:

Nov/2024

- Developed an interactive Connect 4 game featuring dual gameplay modes: competitive 2-player (local) and single-player vs AI. Featuring a smart opponent, real-time gameplay, using React, TypeScript, Node.js, JavaScript, HTML, CSS.
- A 7x6 grid system with turn-based disk placement, supporting win-condition checks (horizontal, vertical, diagonal).
- Engineered smart AI opponent using optimized decision algorithms, colorful UI.

AR Discoveries – Interactive Learning for Kids | Unity, Vuforia, Blender, Augmented Reality

Jan/2024

- Created an AR educational app for children using Unity and Vuforia, promoting immersive learning.
- Implemented AR marker tracking and 3D object recognition for real-time interaction with digital content.

Coding Profiles

Competitive Programming (GeeksforGeeks & LeetCode)

Jan 2023 – Present

Solved 700+ algorithmic and data structure problems

- Solved over 400+ DSA problems on GeeksforGeeks and 300+ problems on LeetCode in C++, optimizing for time and space complexity.

Achievements & Responsibilities

- Awarded the **Dreamed STARS Scholarship** by VIT Bhopal.
- Ranked among the Top 50 teams in the ZS Campus Beats Challenge.
- Core Member of the Coding Blocks Club at VIT Bhopal.

Certifications

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

Languages

- English, Hindi, Marathi