

Vaibhav Patil

+91 7805826387 vaibhavpatil843541@gmail.com linkedin.com/in/vaibhav-patil-0107a825b
github.com/vaibhavpatil2005

Education

VIT Bhopal University

Bachelor of Technology in Computer Science, 8.67 CGPA

09/2022 – Ongoing

Bhopal, Madhya Pradesh

Govt H.S.S. Sirpur Burhanpur

Higher Secondary School Certificate, 88.8 %

06/2022

Burhanpur, Madhya Pradesh

Govt H.S.S. Sirpur Burhanpur

Secondary School Certificate, 93.7 %

06/2020

Burhanpur, Madhya Pradesh

Technical Skills

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

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

Relevant Coursework: Database Management Systems, Operating System, DSA, OOPS, Computer Network, Cloud Computing.

Projects

Crime Navigator |

01/2025

- 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: 2-Player and AI-Connect 4 Game

11/2024

- 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

01/2024

- 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 500+ algorithmic and data structure problems

- Solved over 380+ DSA problems on GeeksforGeeks and 150+ 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.
- University of Michigan:** Intro to AR/VR/MR/XR: Technologies, Applications & Issues
- NPTEL:** Foundations of Cyber Physical Systems

Languages

English, Hindi, Marathi