VAIBHAV PATIL

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

Education

VIT Bhopal University   **09/2022 – Ongoing**
Bachelor of Technology in Computer Science, 8.73 CGPA   *Bhopal, Madhya Pradesh*

Govt H.S.S. Sirpur Burhanpur   **06/2022**
Higher Secondary School Certificate, 88.8 %   *Burhanpur, Madhya Pradesh*

Govt H.S.S. Sirpur Burhanpur   **06/2020**
Secondary School Certificate, 93.7 %   *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 600+ algorithmic and data structure problems
- Solved over 380+ DSA problems on GeeksforGeeks and 210+ 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