VAIBHAV PATIL

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○ Github.com/vaibhavpatil2005

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++, 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* | [DEMO]   **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* | [DEMO]   **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* | [DEMO]   **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.