Vaibhavi Agrawal

vaibhaviagrawal88@gmail.com | Mobile: +91-8839026166

LinkedIn | Leetcode | Github

Summary

Passionate and ambitious fresher with a strong interest in management, software development, frontend technologies, and cybersecurity. Eager to learn, adapt, and contribute to innovative projects while developing secure and efficient applications. Enthusiastic about exploring new technologies, solving complex problems, and growing in a dynamic environment.

Technical Skills

- **Programming Languages:** Python, C++, Java, Javascript, MySQL
- **Software Developent Tools:** VS Code, Git, Postman, Docker, Jupyter Notebook
- **Operating Systems:** Linux (Ubuntu), Windows
- **Frameworks/Technologies:** React, Flask, SQLite, TensorFlow, PyTorch, OWASP, REST APIs
- **Expertise:** Frontend Development, Web Development, Software Development, Project and Event Management

Education

Degree/Level	Year	Institution/Performance
B. Tech (CSE) Core	2023–Ongoing	Vellore Institute of Technology, Bhopal (CGPA: 9.2/10)
Class XII	2023	GVN The Global School, Bhopal, Madhya Pradesh (85%)
Class X	2021	Carmel Convent Senior Secondary School, Bhopal, Madhya Pradesh (96.4%)

Experience

Event Manager

Advitya-annual flagship event of VIT Bhopal University, Gujarti Club event, Marathi Club event   *September 2023 – Present*

- Organized and managed large-scale university events, ensuring smooth execution.
- Coordinated with teams to enhance event planning, logistics, and engagement.

Student Coordinator

IEEE Conference *March 2025 – March 2025*

- Volunteered and lead the management team at 14th IEEE international conference CSNT held at VIT Bhopal University.

Software developer

Software Developement Cell - VITB *January 2025 – Present*

- Assisted in developing and maintaining university software projects.
- Collaborated with teams on frontend and backend development using modern frameworks.
- Worked on optimizing database management and API integrations for seamless functionality.
- Gained hands-on experience in project management, version control, and agile methodologies.

Cybersecurity contributor

WiCys *October 2024 - Present*

- Assisted in organizing workshops and awareness sessions on cybersecurity topics.
- Researched and shared insights on web security, ethical hacking, and threat analysis.

Projects

Improving Object Detection Efficiency through Joint Information Theory and Network Coding Techniques.

- Conducted research on "Improving Object Detection Efficiency through Joint Information Theory and Network Coding Techniques."
- Explored innovative methods to enhance object detection accuracy and computational efficiency.
- Applied network coding principles to optimize data transmission and reduce redundancy.

Certifications

- Hackerrank 5 star : Problem Solving in Python
- Introduction to Matlab: Basic and Features
- Introduction to Problem Solving [Vityrathi]
- Fundamentals in AI/ML [Vityarthi]

Co-Curricular Activities

- **Cricket:** Represented in Aarambh 2023 inter-college league (VIT Bhopal).
- **Badminton:** Represented in Aarambh 2024 inter-college league (VIT Bhopal)

Hobbies and Languages

- **Hobbies:** Swimming, Skating, Kho-Kho, Pianist, Nature explorer, Photography
- **Languages:** English, Hindi, French