

Vipul Kumar

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EDUCATION

Vellore Institute of Technology | Vellore
Computer Science Engineering (Core) | B.Tech

2023 – 2027
GPA: 8.31/10.00

RELEVANT COURSES

Data Structures and Algorithms | Design and Analysis of Algorithms | Structured and Object-Oriented Programming | Web Programming | Computer Architecture and Organization | Digital Systems Design | Basic Electrical and Electronics Engineering | Calculus | Probability and Statistics

HACKATHONS

Smart India Hackathon | 2024

- Contributed an AI-powered women's safety project to detect potential threats using ML and computer vision
- Designed and optimized the model using Python, TensorFlow, and Roboflow, improving detection accuracy
- Worked with a team of six to develop and optimize the model for real-world threat detection
- Enhanced the model to achieve 92% accuracy, ensuring reliable threat detection in diverse environments

PROJECTS

Food ordering platform | *Self Project*

July 2024

- Tech Stack:** MERN Stack (MongoDB, Express.js, React, Node.js)
- Built a feature-rich platform enabling seamless browsing, order placement, and secure payments
- Implemented real-time order tracking and authentication for a smooth user experience

Real-Time LMS Website | *Self Project*

Aug 2024

- Tech Stack:** MERN Stack (MongoDB, Express.js, React, Node.js)
- Developed a real-time LMS for managing courses, student tracking, and secure role-based access
- Integrated live updates, interactive dashboards, and an intuitive UI for better usability

Sidcup – Family Golf UI | *Self Project*

Sept 2024

- Tech Stack:** HTML, CSS, JavaScript
- Designed an engaging and interactive golf learning website with a modern, responsive layout
- Implemented smooth animations and intuitive navigation for an enhanced user experience

Lazarev – Design Agency UI | *Self Project*

Oct 2024

- Tech Stack:** HTML, CSS, JavaScript
- Developed an animated, visually appealing website with seamless transitions and interactive elements
- Optimized performance and responsiveness to ensure a smooth user experience across devices

Portfolio Website | *Self Project*

Nov 2024

- Tech Stack:** React, HTML, CSS, JavaScript
- Developed a fully responsive portfolio with smooth animations and interactive UI components
- Integrated optimized navigation and a seamless contact form for better user engagement

TECHNICAL SKILLS

- Frontend:** HTML, CSS, JavaScript, Bootstrap, React
- Backend:** Node.js, Express.js
- Languages:** Python, Java, C++, C
- Database:** MongoDB
- Other Tools:** Figma, Canvas

EXTRA CURRICULAR

- AI/ML Club Member** – Actively contributed to AI/ML discussions, projects, and workshops on campus
- Campus Ambassador** – Represented IIT Guwahati, IIT Kanpur, NIT Trichy, and NIT Nagpur, promoting events, increasing student engagement, and facilitating outreach initiatives