Vipul Kumar

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EDUCATION

Vellore Institute of Technology | Vellore 2023 – 2027
B.Tech in Computer Science Engineering (Core) | B.Tech *GPA: 8.33/10.00*

RELEVANT COURSES

Data Structures and Algorithms | Design and Analysis of Algorithms | Structured and Object-Oriented | Web Programming | Computer Architecture and Organization | Digital Systems Design | Basic Electrical and Electronics Engineering | Calculus | Probability and Statistics | Machine Learning Specialization (Andrew Ng - Coursera)

INTERNSHIPS

Software Development Intern | Bluestock Fintech June 2025 – July 2025
- Developed a full-stack IPO Web Application as part of a fintech internship, handling end-to-end development
- Finalized tech stack (React.js + Node.js/Django + PostgreSQL) and implemented modular, deployment-ready code
- Converted Figma UI/UX designs into responsive front-end components using React.js, ensuring a clean interface
- Designed and built RESTful APIs for IPO workflows; tested endpoints with Postman and documented responses
- Implemented interactive data visualizations with Chart.js for IPO insights and analytics
- Designed and optimized PostgreSQL schema, ensuring efficient query performance and scalability
- Maintained Git-based version control with proper branching, commits, and version tagging
- Prepared technical docs covering system architecture, API endpoints, database schema, and deployment guide

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

Portfolio Website|Tech Stack: React, HTML, CSS, JavaScript Apr 2024
- Developed a responsive portfolio with animations, UI, optimized navigation, and a contact form for engagement

Food Ordering Platform|Tech Stack: MERN Stack June 2024
- Built a platform with browsing, orders, payments, real-time tracking, and authentication for smooth experience

Lazarev – Design Agency UI|Tech Stack: HTML, CSS, JavaScript Sept 2024
- Developed a website with transitions, elements, and optimized performance for engagement across devices

Sidcup – Family Golf UI|Tech Stack: HTML, CSS, JavaScript Jan 2025
- Designed a golf learning website with responsive layout, animations, and intuitive navigation for better engagement

Resume & Cover Letter Builder Mar 2025
- Tech Stack: Serverless APIs, OpenAI GPT, Hugging Face, LangChain, Cloud Storage
- Built an AI-powered resume & cover letter builder with React, Python, databases, and PDF/DOCX export

Real-Time LMS Website |Tech Stack: MERN Stack May 2025
- Developed a real-time LMS with course management, tracking, access control, updates, and dashboards for usability

TECHNICAL SKILLS

- *Frontend and Backend*: Next.js + Tailwind, HTML, CSS, JavaScript, Bootstrap, React, Node.js, Express.js
- *Languages and Tools*: Python, Java, C++, C, MongoDB, PostgreSQL, 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