TANMAY TRIVEDI

Master of Computer Application
VIT Bhopal University,
Bhopal, Madhya Pradesh

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Profile Summary

Highly motivated computer science graduate with strong skills in C++, Python, and Java, along with a solid grasp of OOP, data structures, and algorithms. Passionate about web development and software engineering, eager to contribute to real-world projects in a dynamic environment.

Technical Skills

- **Programming Languages** : C++, Java,Python
- **Frontend Developing Language:** HTML,CSS,JavaScript
- **Backend Language:** NodeJS,Express
- **Databases**: MySQL,PHP
- **Tools and Software's**: GitHub
- **Other Skills**: MS Office , Figma

Education

Vellore Institute of Technology — Jul 2024 – Jul 2026
Master of Computer Application — Bhopal, Madhya Pradesh

Natubhai Patel College of Pure and Applied Science — April 2023
Bachelor of Science(Computer Application and Information Technology) (8.82 CGPA) — *Anand,Gujarat*

Projects

Blood Mate- https://github.com/TanmayTrivedi/BloodMate **(Dec 2024-Apr 2025)**

Technologies: Node.js, Express.js, MongoDB (Mongoose), Pug, HTML/CSS
- Developed a full-stack web application to connect blood donors and recipients in real-time during emergencies.
- Built RESTful APIs using Express.js and Node.js for secure and efficient backend communication.
- Utilized MongoDB with Mongoose for structured and scalable data storage.
- Designed dynamic and responsive user interfaces using the Pug templating engine.
- Implemented features such as user authentication, emergency blood request handling, and donor access.

CrimeRate Analysis- https://github.com/TanmayTrivedi/crime-report **(Jan 2024-Mar 2025)**

Technologies: Python, Google Colab, Power BI
- Analyzed crime datasets from the Los Angeles city government portal to identify trends and insights.
- Cleaned and preprocessed large datasets using Python libraries such as Pandas in Google Colab.
- Created interactive visualizations and dashboards in Power BI to showcase crime patterns by type.
- Enabled data-driven decision-making and awareness through clear, concise visual storytelling.

Desktop Sign-Up and Login UI Design – Figma Project Link **(Jan 2024-Feb 2025)**

Technologies: Figma
- Designed clean and modern desktop user interfaces for sign-up and login screens, focusing on integrity
- Utilized layout grids, consistent typography, and color schemes to enhance user experience
- Crafted high-fidelity mockups optimized for web applications with intuitive navigation and responsive structure.
- Improved design communication and front-end readiness through well-organized layers