

Manya Gupta

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EDUCATION

Vellore Institute of Technology
B.Tech. Computer Science and Engineering, Major in Computer Science
Current Cumulative GPA: 8.72/10

Bhopal, Madhya Pradesh
(Sep, 22 – Jun, 26)

TECHNICAL SKILLS

Languages: Python, Java, SQL, C++

Web & Frameworks: HTML, CSS, JavaScript, React.js

Tools & Technologies: Power BI, Microsoft Excel

PROJECTS

MediSinCare: A Healthcare Platform | [GitHub](#)

- Developed MediSinCare, a healthcare platform that provides symptom-based diagnosis, personalized diet plans, natural home remedies and wellness practices for 100+ diseases and 100+ categorized symptoms, making healthcare more accessible.
- Built and integrated features for personalized health recommendations, enhancing the accuracy of symptom-diagnosis by ~85% (based on test cases).
- Designed and developed responsive front-end pages using HTML, CSS, and JavaScript, improving navigation efficiency by 30% in user testing (Team project).

ImageGuard: AI-Powered Image Tampering Detection | [GitHub](#)

- Built a fully responsive and production-ready frontend for an Image Tampering Detection system using React.js, enabling real-time image upload, preview, validation, and interactive visualization of detection results.
- Integrated the frontend with Flask APIs and ONNX-optimized deep learning models, improving inference performance and ensuring smooth, low-latency communication between client and server.
- Collaborated on end-to-end deployment using AWS EC2, S3, and Docker, ensuring the frontend was fully containerized, scalable, and production-ready while supporting a high-accuracy (93%+) CNN/VGG16/ResNet-based image forensics pipeline. (Team project).

Movie Ticket Booking Platform | [GitHub](#)

- Engineered a full-stack movie ticket booking platform using the MERN stack, featuring real-time movie listings, seat selection, and secure online payments for 100+ simulated users.
- Designed and implemented a responsive, user-friendly UI with smooth navigation and interactive booking flow, reducing booking time by 25% in testing and preventing double-bookings (Team project).

INTERNSHIPS

Interned at CoreCard Software India Pvt. Ltd.

Bhopal, Madhya Pradesh

(Jan, 24 – Jan, 24)

- Worked in the Data Warehouse department.

- Handled and maintained a large database using SQL.
- Data visualization using Power Bi.

Interned at Indra Publishing House

Bhopal, Madhya Pradesh

(Oct, 23 – Dec, 23)

CERTIFICATIONS & TRAINING

Fullstack Development MongoDB (SmartBridge), Gen AI (IBM), Marketing Analytics (NPTEL), Cloud Computing (NPTEL), Simulink Onramp (MathWorks), MATLAB Onramp (MathWorks), Python (United Computer Associates).

ACHIEVEMENTS

- Research paper:** Selected among 1,200 research scholars out of 168,000 applicants for presenting a paper on Art, Literature, and Culture of India at the Bhartiya Shiksha Mandal-Vision for Viksit Bharat 2024 National Conference.
- Leetcode:** 100+ problems solved, strengthening proficiency in data structures, algorithmic thinking and optimized problem-solving.