Manya Gupta

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EDUCATION

VIT Bhopal University Bhopal, Madhya Pradesh
B.Tech. Computer Science and Engineering, Major in Computer Science (Sep, 22 – Jun, 26)
Current Cumulative GPA: 8.72/10

PROJECTS

MediSinCare: **A Healthcare Platform** (Jul, 24 – May, 25)

- 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 (Oct, 25 - Ongoing)

- Developed 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 (Apr, 25)

- Engineered a full-stack movie ticket booking platform using the MERN stack, featuring real-time movie listings, seat selection, and secure online payments.
- Designed and implemented a responsive, user-friendly UI with smooth navigation and interactive booking flow, reducing booking time by 25% in testing.
- Prepared real-time seat availability and booking confirmation system using MongoDB and Node.js, ensuring accuracy and preventing double-bookings.
- Integrated secure payment gateway and authentication, enhancing trust and enabling seamless transactions for 100+ simulated users (Team project).

INTERNSHIPS

Interned at CoreCard Software India Pvt. Ltd. Bhopal, Madhya Pradesh

- Worked in the Data Warehouse department. (Jan, 24 – Jan, 24)
  1. Handled and maintained a large database using SQL.
  2. Data visualization using Power Bi.
- Worked in the HR department.
  1. Facilitated employee training programs, workshops, and updated the company calendar with all the event details, policy updates, responding to every employee inquiry in under 24 hours.

Interned at Indra Publishing House Bhopal, Madhya Pradesh

- Performed editing and proofreading of books. (Oct, 23 – Dec, 23)

TECHNICAL SKILLS

Proficient in Python, SQL, Java, HTML, CSS, Javascript, Excel, C++, React Native, Power BI.

EXTRACURRICULAR

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.

ADDITIONAL

Languages: Fluent in English, Hindi.
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).