

Simpy Kumari Mandal

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Education: VIT Bhopal University

(Expected graduation -2026)

- Bachelor of Technology in Computer Science and Engineering(Specialization in Health Informatics)
- CGPA: 8.10

Technical Skills:

- **Programming Languages:** Python (Pandas, NumPy, Matplotlib, Keras, TensorFlow), C++, Java, JavaScript
- **Machine Learning & AI:** Deep Learning, Computer Vision, OpenCV, YOLOv8
- **Web Development:** HTML, CSS, Flask
- **Tools & Technologies:** Postman API, Google Maps API, Git

Projects:

- **Malaria Detection (2023): ML, Python (pandas, numpy, keras, seaborn, scikit-learn, tensorflow)**
 - Built a **deep learning model** for malaria detection using **VGG-19**, achieving high classification accuracy.
 - Processed and trained on a **27,000-image dataset**, enhancing model robustness.
 - Led a **5-member team** to build an intuitive **GUI** for healthcare professionals.
- **AI Travel Itinerary Planner(2024):**
 - Designed an **AI-driven itinerary generator** that personalizes travel plans based on user preferences.
 - Integrated **Google Maps API** for **real-time navigation and location tracking**.
 - Enabled seamless planning and guidance, ensuring a unified interface for trip management and lost-user recovery.

Languages: Hindi, English

Extracurricular Activities:

- **Progressed to prototype development phase** of the **Myntra WeForShe Hackathon** and **Tata Elxsi Teleport Hackathon**, demonstrating strong problem-solving and innovation skills.
- Member of the **Robotics Club**, actively participating in technology-driven initiatives.

Certifications:

- PostMan API Fundamentals student Expert
- Applied Machine Learning in Python
- Introduction to C++ (Simplilearn)
- MERN Full Stack Development