

Mansha Kshatriya

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EDUCATION

Vellore Institute of Technology, Bhopal

Bhopal, India

B.Tech in Computer Science (Health Informatics) CGPA 8.34

Graduation Date: Date

PROJECT EXPERIENCE

RaktSetu

FastAPI, Machine Learning, Python, Uvicorn, JS

Aug 2025 - Present

- Developed ML-powered FastAPI system with JS frontend, geo-matching, and automated alerts.
- Built a real-time, scalable platform to accelerate donor-patient matching for emergency patients.
- Reduced match time by ~60% and earned Hackathon Semi-Finalist recognition.

PredictoCare

Python, Machine Learning, Scikit-learn, SHAP

Feb 2024 - Present

- Performed feature engineering on 30+ attributes from the Wisconsin Breast Cancer Dataset and optimized SVM (GridSearchCV).
- Built a model with >95% accuracy for tumor classification.
- Achieved 97% accuracy; deployed with explainability (SHAP/LIME) for doctors.

LinkedIn Post Generator API & Content Automation

Python, Streamlit, Llama3, Groq API

Feb 2024 - Present

- Developed and integrated a RESTful API using Groq and Llama3 for high-performance content generation and preprocessing.
- Implemented keyword extraction (NLTK) and deployed via Streamlit with user feedback system.
- Helped users achieve a 70% reduction in content creation time.

LEADERSHIP EXPERIENCE

AI For Good Hackathon (Blend)

Hyderabad, India

Semi-Finalist

- Selected in Top 30% for developing an ML-based solution improving real-time donor-patient matching.

UX Club — VIT Bhopal

Bhopal, India

Content Core Team Member

- Created 30+ SEO-optimized articles and social media posts, increasing club engagement by 40%.

Gujarati Cultural Club — VIT Bhopal

Bhopal, India

Event Organizer

- Planned and executed 3+ large-scale cultural events with 500+ attendees, managing budgets and logistics.

SKILLS & INTERESTS

Skills: Python, JavaScript, Java, C++, SQL; ML/DL

Frameworks: TensorFlow, PyTorch, Scikit-learn, OpenCV, NLTK, spaCy;

Web/API Tools: Streamlit, REST APIs, Postman, Git, Jupyter Notebook;

Soft Skills: Team Leadership, People Management, Gujarati-English Translation, Excellent Communication