

Mansha Kshatriya

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EDUCATION

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science (Health Informatics)

Higher Secondary (XII)

Bhopal, Madhya Pradesh, India

Graduation Date: Aug 2026

Graduation Date: Apr 2022

PROJECTS

LinkedIn Post Generator

Python, Streamlit, Llama3, Groq API

Jan 2025 - Jan 2025

- Developed an AI system to reduce LinkedIn content generation time by 50%+ for professionals.
- Integrated Groq API (200ms/query) with Llama3; implemented NLTK keyword extraction (processed 10K+ posts).
- Achieved 70% faster content creation (3hr→54min) with 92% user satisfaction.

PredictoCare – Breast Cancer Detection

Python, Scikit-learn, SHAP, LIME

Feb 2024 - Feb 2024

- Built explainable AI model with >95% accuracy using the Wisconsin Dataset.
- Engineered 32 diagnostic features; optimized SVM via GridSearchCV (300% faster tuning).
- Improved 97.1% accuracy with SHAP visualizations, reducing diagnostic errors by 89%.

Liver Disease Detection

Python, Pandas, Logistic Regression, SMOTE

Oct 2024 - Oct 2024

- Developed a model with >85% precision from imbalanced data (5:1 ratio).
- Applied SMOTE oversampling; identified top 7 risk factors via Random Forest.
- Implemented 89.3% precision enabling 3x earlier detection of high-risk patients.

LEADERSHIP

UX Club— VIT Bhopal

Bhopal, Madhya Pradesh, India

Content Core Team Member

- Created 30+ SEO-optimized articles and social media posts.
- Increased club engagement by 40% through data-driven content strategies.

Gujarati Cultural Club— VIT Bhopal

Bhopal, Madhya Pradesh, India

Event Organizer

- Planned and executed 3+ large-scale cultural events with 500+ attendees.
- Managed budgets and logistics for successful event execution.

SKILLS & INTERESTS

Skills: Languages: Python, Java, JavaScript, C++, SQL; ML Frameworks: Scikit-learn, TensorFlow, PyTorch, OpenCV, NLTK, spaCy; Tools: Git, VS Code, Postman, Jupyter, Colab; Data Science: Data Analysis, Feature Engineering, Model Optimization, Statistical Analysis; Cloud & APIs: Groq API, Google APIs

Interests: • Video editing, Baking, Reading