

Shivangi Tiwari

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EDUCATION

VIT Bhopal University

B.Tech. in Computer Science and Engineering

Sehore, M.P.

Expected Graduation, May 2027

- **Specialization:** SpringBoot , Data Science, Machine Learning.
- **CGPA:** 9.25/10.00
- **Relevant Coursework:** Data Structures and Algorithms, Database Management Systems, Operating Systems, Software Design and Architecture, Statistics and Probability

PROJECTS

Narrative Generation System

[Link]

AI System Developer | Prompt Engineer

January 2026 – Present

- Designed and developed an **AI-powered narrative generation system** that **reimagines the Mahabharata in a futuristic world** governed by intelligent systems.
- Implemented **modular prompt engineering techniques** with structured story segmentation (**Setup, Confrontation, Resolution**).
- Developed a **chain-of-responsibility pipeline** for dynamic story transformation and **multi-stage content refinement**.
- Integrated **multiple LLM providers** via **OpenRouter API** with support for mock testing and real-time generation modes.
- Containerized the application using **Docker** for scalable and reproducible deployment.
- **Technologies Used:** Python, Large Language Models (LLMs), OpenRouter API, Prompt Engineering, Docker, REST APIs

Skin Cancer Classification using Generative AI

[Link]

Machine Learning Engineer | Data Analyst

January 2025 – April 2025

- Developed a **machine learning image classification model** for **skin cancer detection** using medical image datasets.
- Trained and evaluated models on **Kaggle datasets**, applying **performance optimization and validation techniques**.
- Built an **interactive Streamlit web application** for **real-time image-based prediction**.
- Collaborated in the team of 5, responsible for model training and validation.
- **Technologies Used:** Python, Streamlit, SHAP, LIME, Kaggle Datasets.

RELEVANT EXPERIENCE

Data Science Club

Sehore, M.P.

Core Member | Human Resource Team

September 2025 – Current

- Analyzed **team domains and role requirements**, conducted **candidate screening and shortlisting**, and supported **end-to-end recruitment processes**.
- Coordinated and managed **Neural Nexus**, a **data science event**, handling **event planning, team coordination, and execution**.

SKILLS

Programming Languages: Java, Python, SQL, JavaScript, Swift

Frameworks & Libraries: Springboot, React.js, Node.js, Express.js

Tools & Technologies: AWS, Docker, Kubernetes, Git, MongoDB, REST APIs, Streamlit

CERTIFICATION

NPTEL - Introduction to Machine Learning

Coursera -The Bits and Bytes of Computer Networking

HP-AI Immersion Program