Vimal Singh Bhadauriya

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Impact: Built robust Python-based solutions for analytics, automation, and real-time ML/NLP systems. Skilled in applications using Transformers, Deep Learning.

EDUCATION

Bachelor of Technology, Information Technology, Madhav Institute of Technology and Science (MITS)
Aug 2021 — May 2025   Gwalior, Madhya Pradesh, India   CGPA: 7.91

Senior Secondary (Class 12), Sanskar Public School
2020   Gwalior, Madhya Pradesh, India   Score: 74.4%

PROJECTS

Crop Prediction System, Independent Project   Mar 2024 — Apr 2024
- Collected and analyzed soil nutrients and environmental factors (N, P, K, humidity, temperature, rainfall).
- Built a **Decision Tree Classification** model to predict the best-suited crop.
- Developed a **Flask**-based app for farmers.
- Enabled real-time predictions through web-based model deployment.

AI-Driven Complaint Classification for RailMadad, Research Project   Jan 2025 — May 2025
- Conducted extensive literature review on complaint resolution systems in the railway domain.
- Collected and preprocessed RailMadad complaint dataset; performed exploratory data analysis.
- Developed a **BiLSTM** and transformer-based multiclass classification model to automatically categorize and prioritize user complaints.
- Integrated **FastText** embeddings and **Huggingface** transformer features to improve accuracy.
- Evaluated model performance using precision, recall, and F1-score metrics, achieving significant improvements over baseline.
- Authored and published the paper "An Efficient Multiclass Classification Approach for Complaint Resolution in RailMadad App" presented at ISCMCTR – 2025.

EXPERIENCE

Summer Intern, Cognifyz Technologies   May 2024 — Jul 2024
Gwalior, India   Remote
- **Built a Restaurant Management System** to manage orders, optimize menu, and forecast demand.
- Used **Python** and ML to provide real-time insights.

SKILLS

Programming	Python, MySQL
Libraries	TensorFlow, Keras, scikit-learn, BeautifulSoup
Technologies	Machine Learning, Deep Learning, Natural Language Processing (NLP), Transformers, Generative AI
Frameworks & Tools	LangChain, Huggingface Transformers, Flask, Git, SQL, Jupyter Notebooks
Deployment	Cloud Deployment (AWS/GCP), On-Premise Servers, Containerization (Docker)
Advanced Techniques	Retrieval-Augmented Generation (RAG) Pipelines, Model Fine-Tuning, Real-Time Inference, Scalability
Interests	Data Analysis, AI/ML Research

CERTIFICATIONS

- **Python** – Udemy (2025)

PUBLICATIONS

- **"An Efficient Multiclass Classification Approach for Complaint Resolution in RailMadad App"**
  Presented at the 3rd International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR – 2025).

Awards & Honors

2024   Participated in **Smart India Hackathon**, showcasing a Python-based real-time analytics solution.

2022   Excelled in multiple hackathons at MITS Gwalior using ML-based approaches.