HITANSH RAMTANI

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EDUCATION

Madhav Institute of Technology and Science (MITS)   **2023 – 2027**
*B.Tech – Internet of Things (IoT) — **CGPA: 8.44***   *Gwalior, Madhya Pradesh*

Kiddy's Corner School   **2021 – 2023**
*CBSE Class XII — **Percentage: 73%***   *Gwalior, Madhya Pradesh*

COURSEWORK / SKILLS

Relevant Coursework:
- Data Structures & Algorithms
- Machine Learning
- Deep Learning
- Database Management Systems
- Operating Systems
- IoT & Embedded Systems
- Computer Vision
- AI Agents & Generative AI

Soft Skills:
- Teamwork
- Leadership
- Public Speaking
- Problem-Solving
- Continuous Learning

PROJECTS

Face Recognition with Attendance Management ⬈ | Python, OpenCV, YOLOv8   **June 2024**
- Developed a real-time facial recognition system integrated with YOLOv8 to automate attendance tracking. Reduced manual entry errors and improved verification speed.

YouTube Contextual Chatbot ⬈ | Python, LangChain, OpenAI API   **January 2025**
- Built a browser extension chatbot capable of answering user queries based on the transcript and content of YouTube videos using LLMs. Enhanced viewer engagement and interactivity.

Health Insurance Cost Prediction ⬈ | FastAPI, Docker, Machine Learning   **May 2025**
- Developed a machine learning pipeline using Gradient Boosting (R^2 score: 0.89) to accurately predict health insurance costs based on demographic and lifestyle features.
- Deployed the model using FastAPI and containerized the full-stack application with Docker, publishing it on Docker Hub for seamless accessibility.

Breast Cancer Detection ⬈ | PyTorch, CNN, Deep Learning   **November 2024**
- Trained a CNN model using PyTorch on medical imaging data to classify breast cancer images with 98% accuracy. Contributed to medical diagnostic support systems.

TECHNICAL SKILLS

Languages: Python (Proficient), C++, Java (Basics), SQL
ML/DL Techniques: EDA, ML Algorithms, ANN, CNN, RNN, LSTM, GANs, Transfer Learning
Generative AI / LLMs: Prompt Engineering, LangChain, LangGraph, RAG, OpenAI API, Hugging Face
Frameworks / Tools: FastAPI, Docker, Pydantic, TensorFlow, Keras, PyTorch, OpenCV
Data Science Libraries: NumPy, Pandas, Matplotlib, Scikit-learn
Developer Tools: VS Code, Git, GitHub

EXTRACURRICULAR

Incube Club, MITS ⬈   **Aug 2023 – Present**
Vice President   *Gwalior, India*
- Led and organized technical workshops, hackathons, and innovation-driven events, resulting in a 25% increase in active club membership.
- Managed web development and technical operations, streamlining team collaboration and event execution.

CERTIFICATIONS

1. Gen AI Intensive – Kaggle   2. Flipkart GRiD 6.0 – SDE Track   3. E-Summit – ISTE MITS   4. Tata Imagination Challenge 2024