LAKSHYA BORASI

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EDUCATION

Bachelor of Technology in Artificial Intelligence and Machine Learning   **Sept 2021 - Present**
Technocrats Institute of Technology, Bhopal   CGPA : 7.70

RELATED EXPERIENCE

Machine Learning Research Intern (Coursework Internship)   **Jul 2024 - Jul 2024**
Indian Institute of Technology, Mandi   Mandi, India
- Developed a Vision-Language Model to assess the relevance between an image and a text description.
- Fine-tuned the CLIP model for improved accuracy on domain-specific tasks.
- Evaluated model performance using similarity metrics and real-world dataset validation.

SKILLS

Languages : Python, JavaScript, SQL   **Databases :** MySQL
Libraries : React, Numpy, Pandas, Tensorflow, Matplotlib, Scikit-learn, Keras
Tools & Software : VS Code, Git, Vercel   **Frameworks :** Firebase, Bootstrap
Coursework : Object Oriented Programming, Database Management System, Machine Learning
Soft Skills : Team Work, Analytical Thinking, Communication, Event Management

PROJECTS

AI Stock Advisor 🐙
- Developed an AI-driven system for **real-time stock market analysis** using Python and the Llama 3.2 model.
- Used large language models (LLMs) to **simplify complex financial data** for non-technical users.
- **Technology Used :** Python, Llama 3.2, Pandas, NumPy, Matplotlib, Stock Data API, GitHub.

Vision Language Model (VLM) 🐙 k
- Fine-tuned CLIP model for **image-text retrieval, zero-shot classification and captioning**.
- Conducted research under IIT Mandi, contributing to state-of-the-art visual language models.
- **Technology Used :** Python, Tensorflow, Pandas, Numpy, Keras, Scikit-learn

Customer Segmentation Model for a bank's credit card holders CO
- Analyzed credit card data to **identify customer segments**.
- Used **clustering (K-Means, DBSCAN)** and **PCA** for data analysis.
- Utilized Python libraries for **data manipulation** and **visualization**.
- **Technology Used :** Python, Numpy, Pandas, Scikit-Learn, Matplotlib etc.

School Management System 🐙
- Implemented user management (students, teachers, admin) with **role-based access control**.
- Managed data for attendance, fees, schedules and notifications.
- **Technology Used :** React, MongoDB, Express.js, Node.js

CERTIFICATE

- **Oracle**   -   Oracle Cloud Infrastructure 2024 Generative AI Certified Professional
- **IBM**   -   Introduction to Data Science , Cloud Computing Fundamentals
- **Google**   -   Introduction to Generative AI , Introduction to Large Language Models