

# LAKSHYA BORASI

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## EDUCATION

**Bachelor of Technology in Artificial Intelligence and Machine Learning**

*Technocrats Institute of Technology, Bhopal*

OCT 2021 - Present

CGPA : 7.53

**Higher Secondary School Certificate**

*Gyan Sagar Public H.S. School, Indore*

May 2020 - May 2021

Percentage : 87.67%

**Secondary School Certificate**

*V.S. Public H.S. School, Bhopal*

May 2018 - May 2019

Percentage : 88.21%

## WORK EXPERIENCE

**Research Intern**

*Indian Institute of Technology - Mandi*

Jul 2024

Mandi, India

- Contributed to CLIP development for image-text retrieval. Built & trained model using PyTorch, Tensorflow etc.
- Developed machine learning model using Librosa to convert audio to spectrograms. Facilitated audio analysis for ML projects.

**Prompt Designing Intern**

*Sugarcane AI Inc.*

Jan 2024 - Mar 2024

Remote

- Trained Sugarcane AI model through data preprocessing, experimentation, and parameter fine-tuning for performance optimization.
- Assisted in troubleshooting technical issues and documented processes to facilitate knowledge sharing within the team.

## SKILLS

- Programming Languages :** Python | JavaScript | TypeScript | C++ | SQL
- Frameworks and Libraries :** React.js | Tailwind CSS | HTML | Numpy | Pandas | Tensorflow | Scikit-Learn | Matplotlib | Keras
- Tools & Software :** VS Code | Github | MongoDB | MySQL | Firebase | Vercel
- Core Subjects :** Data Structure & Algorithms | Database Management System | Object Oriented Principles | Machine Learning
- Soft Skills :** Teamwork | Time Management | Work Ethic | Adaptability | Collaboration

## PROJECTS

**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.
- Utilized PyTorch and TensorFlow for model development and training.
- Employed Python, Pandas, Matplotlib, and Keras for data processing and visualization.

**Spam Email Detection Model | **

- Developed a robust spam detection model achieving 98% accuracy.
- Employed machine learning techniques to classify email content as spam or non-spam.
- Utilized Python, NumPy, Pandas, and Scikit-learn for development and implementation.

**Devnode - A Blogging Platform |  **

- Built a dynamic web application featuring user authentication, real-time data management, and rich user interactions.
- Implemented Firebase Authentication and Firestore for secure user management and scalable data storage.
- Enhanced user experience with rich text editing, image uploads, and a robust commenting system.
- Leveraged HTML5, Tailwind CSS, JavaScript, TypeScript, Next.js, React.js, and Firebase for development.

## ACHIEVEMENTS

- Contributor in GSSOC'24 GirlScript Summer of Code.
- Participated in 5 Hackathons and finalist in 1 Hackathon worked on Real-world projects with the team.
- Around 100+ Questions solved of Data Structure and Algorithms on various coding platform like codechef, leetcode etc.
- Volunteered & Coordinated in 4+ Local and International Events like India Blockchain Week , Web3 Carnival, UbuCon Asia etc.

## POSITION OF RESPONSIBILITY

- Content Writer - UbuCon Asia 2024:** Developed engaging content for UbuCon Asia 2024 conference.
- Developer Advocate - Oraichain:** Drove developer adoption and community growth for Oraichain.
- Organizer - Build-a-thon:** Led core team in organizing online hackathon for Central DAO.
- Regional Lead - Outdefine:** Expanded tech talent network, bridging students and industry.
- Regional Lead - MultichainIN:** Grew blockchain ecosystem through hackathons, meetups, and conferences.

## CERTIFICATE

- IBM** - Introduction to Data Science | Cloud Computing Fundamentals
- Google** - Introduction to Generative AI | Introduction to Large Language Models | Google Cloud Computing Fundamentals