

Sayantika Laskar

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 https://github.com/SayantikaLaskar	

Education

B.Tech, VIT Bhopal University Pursuing Computer Science and Engineering with current CGPA of 8.70	Bhopal, India
High School, Hindi Higher Secondary School Scored 77.8% in 12th	Agartala, India
Holy Cross School, Agartala Scored 89.9% in 10th	Agartala, India

Projects

Sign Language Recognition, Python, OpenCV, CNN, TensorFlow, Keras Real-time sign language detection system using CNN model trained on MNIST dataset, integrated OpenCV for live video feed processing, and implemented gesture classification for recognizing American Sign Language (ASL) symbols	2025/01 – 2025/02
HealthBot – AI-Powered Medical Chatbot, Python, LangChain, FAISS, OpenAI API, NLP AI-driven healthcare chatbot that utilizes LLMs for answering medical queries, processes medical literature for knowledge extraction, and incorporates memory management for contextual conversations	2024/12 – 2025/01
Face Emotion Detection System, Python, TensorFlow, Keras, OpenCV, Streamlit, FER-2013 Dataset Deep learning-based facial emotion detection system to classify emotions from facial expressions with 98% accuracy, utilizing a trained CNN model on the FER-2013 dataset	

Extracurricular

GDSC Club, VIT Bhopal, Machine Learning Team Core Member Conducted and organized an event with around 80 participants and contributed in open-source projects	2024/01 – present
Fine Arts Club, VIT Bhopal, Social Media and PR and Outreach Team Core Member Managed 5 events with approx. 100 participants(each) to enhance communication, management, team work skills	2022/11 – present
GSSoC,24 Contributor Contributed to issues relating to Machine Learning and Deep Learning with 12 merged pull requests and 660 points	2024/05 – 2024/08
Data Structures And Algorithms Solved 658 problems in Leetcode, 479 in GFG(hash maps, stacks, queue, arrays, strings, sorting,linked lists) and 50 in HackerRank using Java and C++	


Skills

Java, Python, C++, Machine Learning, Deep Learning, Github, Computer Network, Computer Vision, API Integration, Streamlit

Certificates

- Problem Solver DSA by FacePrep
- Blockchain Developers and Fundamentals

Publications & Conferences

International Conference on Data Computation and Communication, 2024 Presented 2 papers on heart disease prediction using Machine Learning and climate change using ARIMA	2024/11 – 2024/11 Bhopal, India
Mitigating Climate Change: Utilizing Global Warming Through ARIMA Modelling Explored the application of ARIMA time series modeling to analyze global temperature rise patterns and forecast future climate trends. DOI: 10.1109/ICDCC62744.2024.10960961 	2025/04 Sehore, India

Achievements

Microsoft Code Without Barriers – India Circle 2025, Mentee Selected for Microsoft’s mentorship program empowering women in tech through AI, cloud, and leadership training	2025/04 – present
Health Hackathon Participant Participated at VIT Bhopal University in collaboration with John Hopkins University and was among the top selected 236 teams	2024/12 – 2025/02 Bhopal, India
Finalist at Young Leaders Viksit Bharat Program (Ministry of Sports and Youth Affairs) Selected from 3 million participants after excelling in quiz, essay ("Tech for Viksit Bharat"), state-level pitch, and national presentations at Bharat Mandapam, showcasing tech-driven solutions for India's development.	2025/01 – 2025/01 Delhi, India