

# Sayantika Laskar

 sayantikalaskar2002@gmail.com	 8798350132
 Agartala, Tripura	 <a href="https://www.linkedin.com/in/sayantika-laskar-098aa2250/">https://www.linkedin.com/in/sayantika-laskar-098aa2250/</a>
 <a href="https://github.com/SayantikaLaskar">https://github.com/SayantikaLaskar</a>	

## Education

<b>B.Tech</b> , VIT Bhopal University Pursuing Computer science engineering with current CGPA of 8.80	Bhopal, India
<b>High School</b> , Hindi Higher Secondary School Scored 77.8% in 12th with Physics, Chemistry, Mathematics, Biology, English and Painting	Agartala, India
<b>Holy Cross School, Agartala</b> Scored 89.9% in 10th	Agartala, India

## Projects

<b>HealthBot – AI-Powered Medical Chatbot</b> , Python, LangChain, FAISS, OpenAI API, NLP Developed an AI-driven healthcare chatbot that utilizes LLMs for answering medical queries, integrates FAISS for efficient vector-based search, processes medical literature for knowledge extraction, and incorporates memory management for contextual conversations	2024/12 – 2025/01
<b>Real-Time Sign Language Recognition</b> , Python, OpenCV, CNN, TensorFlow, Keras Developed a real-time sign language detection system using a CNN model trained on the Sign MNIST dataset, integrated OpenCV for live video feed processing, and implemented gesture classification for recognizing American Sign Language (ASL) symbols	2025/01 – 2025/02
<b>Face Emotion Detection System</b> , Python, TensorFlow, Keras, OpenCV, Flask, HTML, CSS, JavaScript, FER-2013 Dataset Developed a deep learning-based facial emotion detection system to classify emotions from facial expressions with high accuracy, utilizing a trained CNN model on the FER-2013 dataset and deploying it via a web interface	

## Professional Experience

<b>Intern</b> , Teachnook Contributed to a dynamic team by developing a basic website on Historical Places in India and a weather app displaying weather of any city using APIs, HTML, CSS and JavaScript	2023/04 – 2023/07 Remote
<b>Intern</b> , SmartKnower Engaged in hands-on learning experiences and developed projects using Natural Language Processing, Image processing, Machine Learning and Deep Learning using Python and deployed using Streamlit	2022/12 – 2023/01 Remote
<b>Intern</b> , Codsoft Developed practical Machine Learning skills through 4 projects using Linear Regression, Naïve Bayes, CNN, Random Forest, and Gradient Boosting with real-time operating systems	Remote

## Extracurricular

<b>GDSC Club, VIT Bhopal</b> , Machine Learning Team Core Member Conducted and organized an event with around 80 participants and contributed in open-source projects	2024/01 – present
<b>Fine Arts Club, VIT Bhopal</b> , Social Media and PR and Outreach Team Core Member Managed and associated with fellow teammates in 5 events with approximately 100 participants in each to conduct various events to enhance communication, team management and team work skills	2022/11 – present
<b>GSSoC,24 Contributor</b> Contributed to issues relating to Machine Learning and Deep Learning with 12 merged pull requests and 660 points	2024/05 – 2024/08
<b>Data Structures And Algorithms</b> Solved 500 problems in Leetcode, 400 in GeeksForGeeks(hash maps, stacks, queue, arrays, strings, sorting,linked lists) and 50 in HackerRank using Java and C++	

## Skills

Java	Python
C++	Github

## Certificates

• Competitive Programming and DSA Hackathon cum workshop	• Supervised Machine Learning: Regression and Classification by Coursera
• Exploratory Data for Machine Learning	

## Publications & Conferences

<b>International Conference on Data Computation and Communication, 2024</b> Presented 2 papers, one on heart disease prediction using Machine Learning and another on climate change using ARIMA	2024/11 – 2024/11 Bhopal, India
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## Achievements

<b>Top 3000 Finalist – Young Leaders Viksit Bharat Program (Ministry of Sports and Youth Affairs)</b> 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
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