ANURUDHA SARKAR

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SUMMARY

"Highly motivated and detail-oriented final-year Computer Science graduate having good knowledge in java and Object-Oriented Programming, proficient in multiple programming languages, machine learning frameworks, and database management."

PROFILES

Portfolio | | Instagram | | Linkedin | | Github

EDUCATION

- **Bachelor of Technology in Computer Science**
  Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex [MAKAUT University],
  Graduation Year: 2025
  Aggregate CGPA: 8.05 / 10
- **The St. Xavier's School**
  ICSE (10th) – 75.2 % of 2019
  ISC (12th) – 91 % of 2021

SKILLS

- **Languages: Java, Python, Html, CSS, JavaScript (Basics)**
- **Frameworks and Libraries: OpenCV, Mediapipe, PyAutoGUI, sciPy, Numpy, Pandas, Matplotlib, Seaborn, TensorFlow, Scikit-learn, Streamlit**
- **Platforms: PyCharm, Power BI, Visual Studio Code, Intellij IDEA, Google Colab, Spyder**
- **Databases: MySQL**
- **Soft Skills: Effective communication, team collaboration & problem-solving**
- **Other Skills: Excel, PowerPoint**

CERTIFICATIONS

- Coursera HTML5, Coursera, University of Michigan — November 2022
- Programming for Everybody (Getting Started with Python), Coursera, University of Michigan — June 2022
- Introduction to Back-End Development, Coursera, University of Michigan — May 2023

PROJECTS

- **Multi-Disease Predictive Analytics Platform** | link —Dec 2024
  Utilizing Python and Streamlit, build a machine learning-based web application to predict the likelihood of four major diseases: Parkinson's, Heart Disease, Diabetes, Breast Cancer using supervised learning algorithms with plans to expand to numerous other diseases in upcoming update. This platform analyses patient data to provide accurate predictions and actionable insights, facilitating early diagnosis and treatment.
  Impact: The predictive analytics platform has the potential to transform the healthcare paradigm by enabling early diagnosis and treatment, reducing healthcare costs, and enhancing quality of life for individuals and communities, ultimately revolutionizing disease diagnosis and management.

- **Hand Gesture-Based Volume Control using Computer Vision** | link —July 2024
  Developed an innovative solution utilizing computer vision and machine learning to control volume levels using hand gestures. Powered by OpenCV, MediaPipe, and PyAutoGUI libraries, this project enables users to adjust volume settings with a simple hand movement, detected and processed in real-time.
  Impact: The implementation of this project can transform the way humans interact with devices, enhancing user experience and accessibility through intuitive and hands-free volume control.

- **WeatherVue Real-Time-Weather-Web-App** | link —Dec 2023
  Intoducing WeatherVue, a real-time weather application leveraging OpenWeatherMap API, HTML, CSS, and JavaScript. This project showcases my proficiency in API integration, responsive design, and dynamic frontend development.
  Impact: WeatherVue's real-time weather forecasts and updates have the potential to positively impact user's life, enabling informed decision-making and enhancing daily life activity. By providing accurate and timely weather information, WeatherVue can help reduce weather-related disruptions and improve overall quality of life.

EXTRA CURRICULAR

- Awarded Certification of Merit in Felicitation Ceremony organized by Techno India Group for the Toppers of Malda In the Board Results of 2021.
- Volunteered at a coding event for underrepresented groups in tech.
- Participated in hackathons including Smart India Hackathons and coding competitions.