

INDRANIL GANGULY

M.Sc. in Big Data Analytics

Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, West Bengal, India

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Portfolio

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ACADEMIC PROJECTS

- Project Title:** *Comparative Sentiment Analysis on IMDB Reviews Using LSTM, CNN, and BERT*
Keywords: Deep learning, NLP, Sentiment classification, LSTM, CNN, BERT
GitHub: github.com/iamganguly-2002/IMDB-Sentiment-Analysis
Faculty: Dr. Soumitra Samanta
- Project Title:** AI-Powered Face Mask Classification System
Keywords:
 - Image data collection & preprocessing
 - NumPy array conversion
 - MobileNet-based transfer learning
 - Real-time computer vision**GitHub:** https://github.com/iamganguly-2002/Face_Mask_Detection
Faculty Guide: Br. Tamal Maharaj
- Project Title:** Classification Algorithm on Organ-CMNIST
Keywords:
 - Various Classification Algorithms.
 - Each dataset is processed to extract images and labels.**GitHub:** https://github.com/iamganguly-2002/Classification_Algorithms_on_Organ-CMNIST
Faculty Guide: Br. Tamal Maharaj
- Project Title:** Comprehensive Regression Analysis on Diabetes Dataset
Keywords:
 - Explored Linear, Polynomial, Ridge, Lasso, SGD Regression.
 - Applied Gradient Descent, Normal Equation, SVD for optimization.**GitHub:** https://github.com/iamganguly-2002/Machine_Learning_Regression_Project
Faculty Guide: Br. Tamal Maharaj
- Project Title:** Brain Tumor Classification using CNN
Keywords:
 - Image data collection and preprocessing, CNN.**GitHub:** https://github.com/iamganguly-2002/Brain-Tumor_classification

COURSEWORK

- RKMVERI**
 - Deep Learning
 - Natural Language Processing
 - Computer Vision
 - Artificial Intelligence
 - Time Series
- Survival Analysis
- Machine Learning
- Statistics
- Graph Theory
- Java & Hadoop
- Data Structure in python
- Reinforcement Learning

ACHIVEMENTS/CERTIFICATIONS

- B.Sc Mathematics Honours Certificate under Calcutta University.
- SAGE math and Application course certificate with 80 marks(out of -100) from Peary Mohan College
- Awarded the title 'Vidya Shree' from Konnagar Municipality.
- Basic Computer Application Course Certificate in collaboration with ICT Schools from Mahesh Sri Ramkrishna Mission Assram .

EDUCATION

- Ramakrishna Mission Vivekananda Educational and Research Institute, Howrah**
M.Sc. in Big Data Analytics
 - 2024 – Present (Sem-1) CGPA: 5.50
- Uttarpara Raja Peary Mohan College**
B.Sc.(H) in Mathematics
 - 2020 – 2023 CGPA: 7.972
- Uttarpara Amarendra Vidyapith(H.S)**
High Secondary Education (10+2)
 - 2018 – 2020 Score: 91.25%
- Mahesh Sri Ramkrishna Mission Assram(H.S)**
Secondary Education (10)
 - 2013 – 2018 Score: 89.25%

TECHNICAL SKILLS

- Programming Languages:** Python, Java, C, C++, R, \LaTeX , SQL, html, css, JS
- Frameworks:** Pytorch, Hadoop, Numpy, Pandas, Matplotlib
- Tools:** Git/Github, Power BI, MS Office
- Operating System:** Windows, Linux (Ubuntu)

ACTIVITY

- Fest Organiser**
 - Organizing Committee Member, 2023 (annual departmental college fest)
- Volunteer**
 - Member of Volunteer group, students council [PERCEPTRON-2024]
- Anchoring in school and college Fest.

HOBBY

- Traveling, Car driving, Photography
- Bike Racing.