Moinak Bose

mbose@uwo.ca | Portfolio

EDUCATION

MASTERS IN DATA ANALYTICS
Western University
August 2024 | London, Ontario
AI; ML; Databases

B.TECH IN ELECTRONICS AND COMPUTER SCIENCE
Kalinga Institute of Industrial Technology
June 2022 | Bhubaneshwar, Odisha
Data Analytics; DSA; Operating Systems
Cum. GPA: 3.3 / 4.0
Current CGPA: 8.22 / 10.0

SKILLS

PROGRAMMING
Over 1500 lines:
Java • C • Python • JavaScript
C++ • Linux • LaTeX
Over 500 lines:
TensorFlow • PyTorch • Keras • MySQL
Familiar:
MATLAB • Android • CSS • Assembly

LINKS

LinkedIn | ResearchGate | Google Scholar

POSTER PRESENTATION

GAN: The tool of the future!
PyCon US 2021

Segmentation of tumors in the brain: U-Nets and FPNs
SciPy Austin, Texas 2021

ACHIEVEMENTS

Editor | KIIT WORDSMITH (University Official Magazine) | Jun 2022
Officer | TEDx KIIT University | Jun 2021
Scholar | WorldQuant University | Sept 2020
Director | KIIT International MUN
Volunteer | KIIT Youth Red Cross Society
Organizer | KIIT Fest

EXPERIENCE

SITE RELIABILITY OPERATOR | Exotel

Tools: Grafana, Kibana, BumbleBee, Linux, Jenkins, Git, Manual Testing

1.Developed Server Maintenance for constant call flow.
2.Analysed for product scalability, reliability and performance.

Jan 2022 - Jul 2023 | Bangalore, Karnataka

PRODUCT ENGINEERING INTERN | High Radius Corporation

Tools: Excel, Selenium, Python, JavaScript, SQL, Visual Studio

1. Developed Data mining and bucketing for the Machine Learning model.
2.Analysed Feature modelling for better outputs.

Jan 2021 - Jan 2022 | Bhubaneshwar, Odisha

RESEARCH

PROJECTS

1. Forest Fire Detection System

Developed a system that uses the components like node MCU, LoRa, DHT Sensor, and MQ2 sensors to detect changes in temp. and air pressure around it accordingly and inform it through the server.
Tools: Node MCU, LoRa, Sensors

2. Flight Price Prediction

Developed a model that uses a standard Data Analysis procedure and Random Forest Algorithm to solve the issue.
Tools: Google colab, Kaggle, Numpy

3. Smart Plug System

Developed a portable plug system that models any standard extension cord model. Can be attached to any switchboard plug which would allow the user to have 3-4 smart plugs that can be operated by the user's mobile through a wireless network.
Tools: Arduino, Bluetooth, Sensors

PUBLICATIONS

1. Alzheimer's Disease Detection using Ensemble Learning and ANNs
Recent Trends in Image Processing Pattern Recognition (RTIP2R) Springer 2022

2. Supervised neural networks for fruit identification
Recent Trends in Image Processing Pattern Recognition (RTIP2R) Springer 2022

3. Retinal image enhancement using Generative Adversarial Network
IEEE Computer-Based Medical Systems, 2021

4. Covid-19 analysis using chest CT scans and X-rays: A review
Pattern Recognition, Elsevier

5. GPS and GSM enabled smart blind stick
International Conference on Communication, Circuits, and Systems, Springer 2020