Aryan Das

Phone: +91 8777389113 | **Email:** aryan.das2021@vitbhopal.ac.in | **Website:** tinyurl.com/aryandas

EDUCATION

VIT BHOPAL UNIVERSITY

BTECH IN
COMPUTER SCIENCE
TENURE: 2021 - 2025
CGPA: 8.51/10

LMET INTERNATIONAL SCHOOL

12th Grad. May 2020
West Bengal, India
CGPA – 8/10

K.E. CARMEL SCHOOL

10th Grad. May 2018
West Bengal, India
CGPA – 8.74/10

LINKS

Github: arya-domain

LinkedIn: Aryan Das

Website: tinyurl.com/aryandas

Research Gate: Aryan Das

CERTIFICATIONS

MTA	**LINK**
ML TRAINING	**LINK**
SQL IBM	**LINK**

RESEARCH WORK

I collaborate closely with Rajul Mahto under the guidance of Professor Rabia Musheer Aziz, a Senior Assistant Professor at VIT Bhopal. Professor Aziz has secured a substantial funding amount of RUB 3,000,000 for the development of an Artificial Intelligence Device aimed at predicting breast cancer.

SKILLS

PROGRAMMING

C++, PYTHON, KOTLIN, JAVASCRIPT, R, JAVA, SQL, SOLIDITY, TYPESCRIPT

WEB DEVELOPMENT

Front-End: React, Tailwind CSS, JavaScript, Typescript
Back-End: Node.js, MongoDB, MySQL, JavaScript, Typescript
Blockchain [Web3]: Ethereum, Solidity, Solana, Solana CLI

MACHINE LEARNING AND DEEP LEARNING

Programing Languages: Python And R
Frameworks: TensorFlow, PyTorch, Keras, scikit-learn, Pandas, NumPy, Seaborn

PROJECTS

WEB DEVELOPMENT PROJECTS

- **MintHub** **Github**
  Decentralized Exchange: Hassle-free crypto swaps
  Real-Time Prices and Analytical Graphs: Stay updated with market trends
  C2C International Transactions: Low-cost, fast cross-border payments
  Fundout: Seamlessly convert crypto assets into INR through UPI payments
- **Portfolio Site** **Github**

  Dynamic portfolio site crafted with React, Node.js, and JavaScript, showcasing captivating animations and an interactive contact form for seamless communication.

ML AND DL PROJECTS

- **Fish Classification Using Deep Learning Models** **Github**
  Model Implemented:
  CNN, EfficientNetB7, DenseNet, Inception V3, Resnet50, VGG19
- **RNA-Sequencing Using NCBI Sequencing Data** **Github**
  This project involved working in a Linux environment (WSL) and utilizing the BioProject PRJNA762469 dataset for RNA-sequencing analysis. The data was preprocessed by splitting the FASTQ files and assessing the quality using FastQC. Mapping was performed using the STAR aligner, followed by quantification with FeatureCounts. Differential gene expression analysis was conducted using DESeq2. Additionally, CSV datasets were implemented in deep learning models for further analysis.
  Tools Used: Linux Environment (WSL), BioProject PRJNA762469 Dataset, Splitting FASTQ, FastQC, Mapping using STAR, FeatureCounts, DESeq2, Implementation of CSV Dataset in Deep Learning Models
- **Windows Gesture Volume Control**
  Windows Gesture Volume Control is a user-friendly application developed using OpenCV. It utilizes computer vision techniques to track hand gestures, enabling users to control the volume of their Windows system through intuitive hand movements.
- **Neoplastic Disease Brain Tumor Glioma** **Github**
  Model Implemented:
  Custom Model (CNN + VGG16), CNN, VGG16, ResNet50, Inception V3

PUBLICATIONS

[1] Aziz RM, Mahto R, Goel K, Das A, Kumar P, Saxena A. Modified Genetic Algorithm with Deep Learning for Fraud Transactions of Ethereum Smart Contract. Applied Sciences. 2023; 13(2):697. https://doi.org/10.3390/app13020697

[2] Jawad K, Mahto R, Das A, Ahmed SU, Aziz RM, Kumar P. Novel Cuckoo Search-Based Metaheuristic Approach for Deep Learning Prediction of Depression. Applied Sciences. 2023; 13(9):5322. https://doi.org/10.3390/app13095322