Jagadish Das

Int. M.Sc.| NIT Rourkela

Final Year, Life Science
DOB: 06.03.2002
Contact: +91-7008914381
Email: jagadishdas.nitrkl@gmail.com

Skills

GENERAL PROGRAMMING
C++, Python, Javascript

ALGORITHMS
ML, DL, Neural Networks

FRAMEWORK
PyTorch, Tensorflow, Keras

LIBRARIES
NumPy, Pandas, Matplotlib
Seaborn, Sklearn, Pillow
OpenCV, NLTK, YOLO

SOFTWARES
MS-Excel, Power BI, ImageJ

Links

Website: **jagadish-das**
GitHub: **jagadish-das**
LinkedIn: **jagadish-das**

Relevant Courses

Basic Programming
Machine Learning
Deep Learning
Digital Image Processing
Bioinstrumentation
Bioinformatics
Biostatistics

Education

2020-Present
INT. M.SC., LIFE SCIENCE
NIT Rourkela
CGPA : 6.77/10.00

May 2019
INTERMEDIATE - CHSE
Stewart Sciene College, Cuttack
Percentage: 68.8%

May 2017
MATRICULATION - CBSE
Kendriya Vidyalaya No.3, Cuttack
CGPA: 10.00/10.00

MAY 2024 **Summer Internship, IIT Indore** **Research Intern**

- Performed analysis of brain abnormalities and how drug concentration affects cell proliferation in metabolic disorders. The goal was to study cell behavior using image quantification and understand how it relates to neurological problems in Type 2 diabetes.
- ImageJ was used for image analysis, focused on blue, green, red, and magenta markers to quantify different cell types. The main emphasis was on astrocytes and insulin receptor markers to track the effects of drugs on neural repair. Compared cell proliferation in different drug concentrations to analyze dose-dependent responses.
- A positive correlation was found between increased drug concentration and cell proliferation in astrocytes, which are crucial for brain repair. Strong activation of the insulin receptor was also observed, suggesting potential for therapeutic use in metabolic disorders.

Certificate of Completion

Projects

JAN 2025 **Butterfly Sex Classification** **YOLOv11, Eigen-Cam**
A deep learning project using YOLOv11n-cls to classify butterfly wings and study sexual dimorphism. Visualization is done using Eigen-CAM to highlight key prediction regions.
Github Link

OCT 2024 **Brain Tumor detection** **DL, CNN, Open-CV**
Applied CNN for accurate and precise detection of brain tumors directly from MRI scans. To assist medical professionals in early diagnosis using automated image analysis.
Github Link

DEC 2023 **Breast Cancer Prediction** **ML, Logistic Regression**
Built a logistic regression model to predict if a breast tumor is malignant or benign. The Main goal was to create a simple, interpretable model that could help in the early detection of breast cancer.
Github Link

AUG 2023 **NLP-based ChatBot** **Tensorflow, NLTK**
A simple NLP-based chatbot built using TensorFlow and NLTK. It classifies user intents and generates responses based on a customizable intents file.
Github Link

Competitions/Awards

Dec 2023 **Mood Indigo, IIT Bombay** **Finalist**
Participated in Beat the Street, the street dance championship.
Certificate

Nov 2021 **Girlscript India Summit, Hackathon** **Winner**
Participated in Girlscript India Summit, a national-level Hackathon.
Certificate

Nov 2021 **Bharat Scout and Guide, Camp** **Rajyapuraskar**
Honored with this award from the State Secretary.
Certificate