Jagadish Das

Int. M.Sc.| NIT Rourkela

Final Year, Life Science
DOB: 06.03.2002
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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

Work Experience

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

- Analyzed brain abnormalities and drug effects on cell proliferation in metabolic disorders to study cell behavior and neurological issues in Type 2 diabetes.
- Used ImageJ to quantify cell types using blue, green, red, and magenta markers, focusing on astrocytes and insulin receptor markers to assess neural repair.
- Found dose-dependent increase in astrocyte proliferation and strong insulin receptor activation, indicating therapeutic potential.

Certificate of Completion

Projects

JAN 2025 **Butterfly Sex Classification** **YOLOv11, Eigen-Cam**

Identified sexually dimorphic traits on Catopsilia pomona butterflies' wings and classified their sex. The goal is to automate sex classification for entomological research.

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 machine learning model to predict if a breast tumor is malignant or benign.

Github Link

AUG 2023 **NLP-based ChatBot** **Tensorflow, NLTK**

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 2017 **Certificate of Merit, CBSE** **Merit Award**

Honored with this award from the State Secretary.

Certificate

Jul 2016 **Bharat Scout and Guide, Camp** **Rajyapuraskar**

Honored with this award from the State Secretary.

Certificate