# Jagadish Das

## Int. M.Sc.| NIT Rourkela

Final Year, Life Science
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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
Computer Vision
Deep Learning
Machine Learning
Neural Networks
Image Processing
Data Analytics
Bioinformatics
Biostatistics

## Education

*2020-Present*
INT. M.SC., LIFE SCIENCE
NIT Rourkela
CGPA : 7.44/10.00

*May 2019*
INTERMEDIATE
Stewart Sciene College, Cuttack
Percentage: 68.80%

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

## Work Experience

*2024-NOW* **Research Project, NIT Rourkela** **Lead Researcher**
Working on a project to predict gene mutations from slide images of liver intrahepatic carcinoma using datasets collected from the TCGA database. The project leverages deep learning algorithms to analyze histopathological patterns for insights into genetic alterations and cancer diagnosis.

*Inception V3*

*2024-NOW* **Disertation Project, NIT Rourkela** **Thesis Researcher**
My dissertation employs YOLO-based object detection to analyze wing morphology and coloration in Catopsilia pomona, providing an insights into sexual dimorphism.

*YOLO*

*JUNE 2024* **Summer Internship, IIT Indore** **Research Intern**
I have worked on a summer research project titled Analyzing MRI images to investigate brain abnormalities in patients with metabolic disorders. Analyzed the images using ImageJ program to quantify cell numbers and performed medical image quantification.
**Certificate of Completion**

*ImageJ*

## Projects

*MAY 2023* **Brain Tumor detection** **DL, CNN, Open-CV**
The model analyzes MRI scans to detect brain tumors by learning patterns through CNN. It provides a result of either Positive if a tumor is detected, or Negative if no tumor is detected.
**Github Repo**

*DEC 2022* **Breast Cancer Prediction** **ML, Logistic Regression**
The model analyzes input data from datasets collected from Kaggle to predict breast cancer, classifying cases as malignant or benign based on patient inputs.
**Github Repo**

*JULY 2022* **AI Doctor: ChatBot** **Tensorflow, NLTK**
The model was designed to assist users in medical research and diagnosis-related queries and to provide accurate and relevant responses to users' health-related questions.
**Github Repo**

## Competitions/Awards

*Dec 2023* **Mood Indigo, IIT Bombay** **Finalist**
Participated in Beat the Street at Mood Indigo, Asia's largest cultural fest, and became finalists in this street dance championship.
**Certificate**

*Nov 2021* **GSSoC India Summit, Hackathon** **Winner**
Developed a website **amaOdisha** focusing on promoting our culture which includes 3D views showcasing lost structures of monuments.
**Certificate**