Jagadish Das

Int. M.Sc.| NIT Rourkela

Final Year, Life Science
DOB: 06.03.2002
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Skills

LAB TECHNIQUES
Microarray, NGS, PCR, CRISPR-Cas9, MS, Flow Cytometry, Western Blotting

BIOINFORMATICS TOOLS
BLAST, Clustal Omega, GATK, STAR Ensembl, Swiss-PDB Viewer

GENERAL PROGRAMMING
C/C++, Python, Javascript

FRAMEWORK/LIBRARIES
Tensorflow, Keras, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, OpenCV, NLTK, BERT, YOLO

SOFTWARES
MATLAB, ImageJ

Links

GitHub: **jagadishdas21**
Devpost: **jagadishdas-nitrkl**
LinkedIn: **jagadish-das-811589211**

Coursework

Microbiology
Cell and Molecular Biology
Biophysics and Biochemistry
Immunotechniques
Molecular Genetics
Bioinformatics
Bioanalytical Techniques

Education

2020-Present
INT. M.SC., LIFE SCIENCE
NIT Rourkela
CGPA : 6.56/10.00

May 2019
INTERMEDIATE
Stewart Science College, Cuttack
Percentage: 63.33%

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

Work Experience/Projects

JUNE 2024 **Summer Internship, IIT Indore** — **Summer Intern**
I have worked on a summer research project titled Analyzing MRI images to investigate brain abnormalities in patients with metabolic disorders, under the supervision of Dr. Sivaraj M. Sundaram. Analyze the images using ImageJ program to quantify cell numbers and performed medical image quantification.
MATLAB, ImageJ

MAY 2023 **Research Project, NIT Rourkela** — **Research Assistant**
I worked on a research project titled, Brain Tumor Detection Using Deep Learning. 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 found, or Negative if no tumor is detected.
Deep Learning, Convolutional Neural Network

DEC 2022 **Academic Project, NIT Rourkela** — **Project Associate**
I worked on a project titled, Breast Cancer Prediction Using Machine Learning. In this project, I developed a predictive model to assist in breast cancer risk based on various input features.
Maching Learning, Logistic Regression

Achievements/Certifications

NOV 2021 **GSSoC India Hackathon** — **Winner**
Secured 3rd place in Hack4Odisha competition. Developed a website **amaOdisha** focusing on promoting our culture and tradition. The main feature includes 3D views showcasing lost structures of monuments.

MAY 2017 **Government of India** — **Merit Reward**
I received a cheque of Rs. 5000/- and a certificate of merit as a meritorious student under the kendriya vidyalaya sangathan for my performance in the matriculation exam.

JULY 2016 **Bharat Scouts and Guides** — **Rajyapuraskar**
I was awarded RAJYAPURASKAR in bharat scouts and guides camp by the state secretary and state cheif commissioner.

Extra Curricular Activities

2024-2025 **Mentor** — **Nitrutsav, NITR**
The official cultural fest of NIT Rourkela, where I was the Mentor of organising team. Mentored 100+ students in event management, helping them grow as core team leads, coordinators, and volunteers.

2023-2024 **President** — **Mavericks, NITR**
As a president of the club, I guided my juniors in hip-hop dance and organized 3 national-level events. My experience as a trained dancer for 5 years has helped me support and inspire others.

2022-2023 **Secretary** — **Cinematics, NITR**
As secretary of the club, I led the team as a cinematographer and managed the annual budget, ensuring effective financial planning and resource allocation for our projects.