Umakanta Biswal

Myself Umakanta Biswal.My objective is to achieve a responsible position and explore
myself more efficiently in an industry.My goal also include learning new technology
which will be introduced in upcoming years.

GET IN CONTACT

Mobile: +91-9348474969

Email: umakantbiswal53@gmail.com

PERSONAL DETAILS

- Current Location   Bhubaneswar
- Date of Birth   May 25, 1998
- Gender   Male

TECHNICAL SKILLS

- Deep Learning
- Machine Learning
- Javascript
- HTML
- CSS
- Github
- Opencv
- Natural Language Processing
- CNN
- Image Processing
- OOPS Programming
- Recommender Systems
- Computer Vision
- DBMS
- Operating Systems
- Computer Networking
- Data Structures And Algorithms
- MySQL
- React.Js
- Matplotlib
- Pandas
- Python
- Pytorch

SOCIAL LINKS

- www.linkedin.com/in/umakant-biswal

PROFILE SUMMARY

I am crazy about Data structure and Algorithms.Have some good knowledge in OS,DBMS and NETWORKING.My Core area lies in Data science,Deep Learning and Frontend Devlopment Domain.

EDUCATION HISTORY

Post Graduation

Course	M.Tech(Computers)
College	International Institute of Information Technology (IIIT), Bhubaneswar
Year of Passing	2024
Grade	7.5/10

Graduation

Course	B.Tech/B.E.(Computers)
College	Orissa Engineering College, Bhuvaneshwar
Year of Passing	2022
Grade	8.4/10

Class XII

Board	CBSE
Medium	English
Year of Passing	2016
Grade	90-94.9%

WORK EXPERIENCE

May 2022 to Jul 2023

Subject Matter Expert at Testbook Edu Solutions

Worked as a Freelancer.Solved query asked by student on data science and Gate related domain.Taken few live strategy sessions.Guided a team of freelancer to the growth of company.

INTERNSHIPS

CSESTACK, 3 Months

contributed to the blog page of csestack by writting some technical articles.

PROJECTS

DROWSY DRIVER DETECTION USING DEEP LEARNING , 2 Months

This project aims to develop and deploy a real-time driver drowsiness detection system on a Jetson microprocessor. To achieve this, we leveraged the MRL Eye Dataset, consisting of 48,000 images equally divided between closed and open eyes, for model training. Additionally, a 10-minute video stream of a car driver was captured, segmented into frames using OpenCV library, and fed into our designed architecture for binary classification of eye state in each frame. Finally, the trained model will be deployed on a Jetson microprocessor to enable real-time drowsiness detection.

BRAIN TUMOR IMAGE SEGMENTATION AND CLASSIFICATION, 2 Months

Taken 3500 MRI images and 3 most occuring tumor classes in brain (glioma,meningioma,pituitary).Trained the model using Mobilenet transfer learning and U-NET for 100 epochs and got the validation accuracy as 90% and testing accuracy as 88%.

X-RAY ABNORMALITY DETECTION AND SEGMENTATION, 5 Weeks

Currently working on a project on biomedical image segmentation.In which by providing a x ray image system will segment it's tumor area and give the classification probabilistic score using U-nets and TRANSFER LEARNING (Mobilenet) algorithm

OTHER INTERESTS

Quora writter,Love to watch Thriller Movie.Data science Enthusiast.Love to read articles.