Sourajit Maity

P.HD(PURSUING),
M.TECH(COMPUTER SCIENCE),
WBSET(QUALIFIED)

9903748648

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Shibrampur, Kolkata-
700061

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https://www.linkedin.com/in/sourajit-maity-681b59ba/

PROFILE

Interested in pursuing teaching journey in the arena of Computer Science to have an opportunity to train the graduate student in Computer Science and Engineering. Enthusiastic about interacting with new minds and also to challenge my knowledge while finding solutions to the newer problems.

SKILLS

Python/Django

MongoDb/MySql

PHP/Laravel

Javascript/Node Js

WORK EXPERIENCES

ASSISTANT PROFESSOR

Sister Nivedita University — August 2024 - Ongoing

- Courses I teach- Introduction to Python Programming, Data Structure & Algorithm, Artificial Intelligence, Programming with C, Software Engineering
- Working in NAAC, MOOCS, MAR, Subject Coordinator, Class Teacher

Techno India Group — February 2023 - June,2024

- Courses I teach- Artificial Intelligence, Image Processing, Design and analysis of algorithms, Python, Data Structure

VOCATIONAL TRAINER

Brainware Consultancy — May 2018 - February 2023

- Vocational Trainer in NSQF project in Brainware Consultancy Pvt Ltd

JUNIOR SOFTWARE DEVELOPER

Adience IT Services — July 2016 - April 2018

- Web development and API development
- PHP(Laravel) and Wordpress.

EDUCATIONAL HISTORY

Ph.D.

April 2022 -Pursuing

Pursuing **Ph.D. (Course work Completed with 85%)** in Computer Science at **Jadavpur University** under the guidance of Prof. Dr. Ram Sarkar.

M.Tech

Sep 2018 - Sep 2021

Post Graduated in Computer science and Engineering from **Jadavpur University** with 71% in 2021.

B.Tech

2011 -2015

Completed B.Tech from Supreme Knowledge Foundation Group of Institutions with 71% in 2015.

Higher Secondary

2011

Passed higher secondary examination from **Behala Aryaa Vidyamandir**.

Secondary

2008

Passed secondary examination from **Shibrampur Nanilal Vidyapith**.

COMPETITION

- Organize a Vehicle Detection in Various Weather Conditions(VDVWC) competition at ICDEC 2024 Challenge. - https://sites.google.com/view/vdvwc/home?authuser=0

RESEARCH AREA

Artificial Intelligence
Machine Learning
Deep Learning
Computer Vision
Neural Network

Character References

PROF. DR RAM SARKAR
PROFESSOR, JADAVPUR UNIVERSITY
RAMJUCSE@GMAIL.COM
9836345127

PROF. PRANAB K DUTTA
PROFESSOR, IIT-KGP
PKD140@GMAIL.COM
9434006243

PROF. SWAPAN KUMAR PRADHAN
PROFESSOR, BURDWAN UNIVERSITY
SKPDN@VSNL.NET

AWARD

Best Researcher award by Knowledge Research Academy on Republic day education award

EXTRA CURRICULAR ACTIVITIES

- Participated in several quizzes
- Leadership quality and teamwork
- Love to travel
- Love reading motivational books & story books & detective stories

PERSONAL DOSSIER

- Date of Birth: January 23, 1993
- Gender: Male
- Marital Status: Unmarried
- Nationality: Indian

COURSES

- Machine Learning for All courses by University of London in Coursera.
- Big Data, Artificial Intelligence, and Ethics courses by University of California, Davis in Coursera.
- Python-Data Structure-Machine Learning courses by Perfect Plan B
- Certificate course on LAMP in NIELIT Kolkata on 2017

CONFERENCE

- Attended **4th ICDAM (International Conference On Data Analytics and Management) 2023** and presented my research paper on **Performance Comparison of various Yolo models for Vehicle Detection: An Experimental Study.**
- Attended the **Global Conference on Applications of Artificial Intelligence and Data Science (AAIDS 2024)** and presented my research paper on XMR_Net: A Deep Model for Vehicle Make and Model Recognition using Still-images.
- Attended the **AdComSys 2024** and presented my research paper on MIX_Net: A Deep Model for Medical Images Classification using Still-images.
- Attended the **ComSys 2024** and presented my research paper on Oral lesions classification using Fusion based Deep Learning.
- Attended the **ICDEC 2024** and presented my research paper on DigiDerma: An Application for Skin Disease Prediction using Attention enabled Deep Transfer Learning model.
- Attended the **ICST 2024** and presented my research paper on Skin Disease Classification: A Feature Fusion-based Custom Deep Learning Model.
- Attended the **ICCHD 2025** and presented my research paper on Deep Learning and Nanotechnology: A Promising Avenue for the Human Lung Carcinoma Cells Classification and Diagnosis.

REVIEWER

- Journal of Big Data
- COMSYS-2024 - AI, ML and Data Science Track, Image, Video and Signal Processing Track
- ICRAIS - 2024 - Soft Computing Track
- MECO(Russia) - 2025
- ICAIET - 2025

FACULTY DEVELOPMENT PROGRAM

- Attended a one-week faculty development program on Artificial intelligence.
- Attended a one-week faculty development program on Artificial intelligence in Advanced Machine Learning and Cloud Computing.
- Attended a one-week faculty development program on Sustainability In Industry 5.0.
- Attended one-week faculty development program on Journey into Computing's future: Technology, Research and Innovation.

RESEARCH PAPERS

- Last Decade in Vehicle Detection and Classification: A Comprehensive Survey https://doi.org/10.1007/s11831-022-09764-1 - Archives of Computational Methods in Engineering - IF-9.9
- Two Decades of Vehicle Make and Model Recognition – Survey, Challenges and Future Directions - https://doi.org/10.1016/j.jksuci.2023.101885 - Journal of King Saud University - Computer and Information Sciences - - IF-6.9
- JUVDsi v1: Developing and Benchmarking a New Still Image Database in Indian Scenario for Automatic Vehicle Detection - https://doi.org/10.1007/s11042-023-14661-1 - Multimedia Tools and Applications - IF-3.0
- JUIVCDv1: Development of a still image based dataset for Indian vehicle classification - https://doi.org/10.1007/s11042-024-18303-y - Multimedia Tools and Applications - IF-3.0
- SimSANet: a simple sequential attention-aided deep neural network for vehicle make and model recognition - https://doi.org/10.1007/s11042-024-18303-y - Neural Computing and Applications - IF-4.8
- Performance Comparison of various Yolo models for Vehicle Detection: An Experimental Study - https://doi.org/10.1007/978-981-99-6550-2_50 - Springer
- Current datasets and their inherent challenges for Automatic Vehicle Classification - https://doi.org/10.1007/978-3-031-54038-7_14 - Springer
- A Feature Fusion based Custom Deep Learning Model for Vehicle Make and Model Recognition - 10.1109/MECO62516.2024.10577930 - IEEE
- XMR_Net: A Deep Model for Vehicle Make and Model Recognition using Still-images. - AAIDS-2024
- MIXNet: A Deep Model for Cancer Type Identification from CT-Scan Images - Springer - LNNS Series
- Oral lesions classification using Fusion based Deep Learning - Springer - LNNS Series
- HARVEST-HUB: IOT BASED SMART AGRICULTURE SYSTEM -ICDEC 2024
- DigiDerma: An Application for Skin Disease Prediction using Attention enabled Deep Transfer Learning model - Springer - ICDEC 2024
- ICDEC 2024 Challenge on Vehicle Detection in Various Weather Conditions - ICDEC 2024
- An AI based non-invasive algorithm for abnormal oral lesions classification - COMSYS - 2024
- Deep Learning and Nanotechnology: A Promising Avenue for the Human Lung Carcinoma Cells Classification and Diagnosis - ICCHD - 2025
- Recent Advances in the Role of Artificial Intelligence in cyber physical systems (CPS)
- Skin Disease Classification: A Feature Fusion-based Custom Deep Learning Model
- A Vehicle Detection Model from Still Images using Modified RT-DETR with Channel and Spatial Attention Modules - MECO 2025(Russia)
- YogaSync: Detailed analysis and classification of Yoga poses - ICDMIS 2025
- Personalized Fashion Recommendation System using deep models based on dempster shafer theory - ICDMIS 2025
- SEPE-YOLO: A Squeeze-and-Excitation aided and Parzen Estimator optimized YOLO Model for Vehicle Detection - ICMLC 2025(Indonesia)