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Snehashis Jha

Data Scientist, Data enthusiast, Technical Hoarder & Proud Geek



Key skills

- Data Cleaning, Data analysis, Data Visualization
- Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, OpenCV, TensorFlow, Sklearn,
- Languages: Bengali (native), English (professional), Hindi(Fluent).

Programming/Platforms

- Python (Advanced).
- MATLAB (Advanced).
- Tableau (Intermediate).
- MySQL (Intermediate).
- GCP (Intermediate).
- BigQuery (Intermediate).

MOOCs & Cerifications

- Data Science A-Z™, by Kirill Ere-
menko, Udemy, April'20 (in progress)
- Using MySQL database with python,
by John Elder, Udemy, April'20.
- Deep Learning and Applications, by
IIITDM Jabalpur, Dec'19.
- Python for data science, by R. Ren-
gaswamy (IIT Madras), on NPTEL on-
line Courses, Sep'19
- Machine Learning, by Andrew Ng, on
Coursera, Oct'18.

Interests

- Data Science and AI.
- Digital Signal processing, Digital Im-
age Processing

Experiences

Nov'20
Present

– Data Scientist II, at Aprolyx Technologies India Pvt Ltd, Kolkata

- Intelligent system development for anomaly detection for faulty machinery using ML algorithms

Sep'18-
Oct'2020

Project Assistant (Level - III), at CSIR-CSIO, Chandigarh

- Real-time deployment project entitled – Pilot deployment of Intelligent Elephant Movement Detection and Alert System,
- Sensor data acquisition • Multivariate prediction with neural networks, • Dynamic-data monitoring , • Development of Data analysis tools.

Jul'15
Sep'18

– Assistant Professor, at RIET, Jaipur

- Deputy HOD, dept. of ECE. • Project coordinator of Under Graduate Research Wing (UGRW).

Individual Projects

2019 – 2020

Watchdog observatory

Server end dynamic file handling and real-time data processing for different feed forward neural nets and analytical tools with log-file integration, developed on PYTHON.

Facial Expression Detector

Real-time facial expression detector using OpenCV,FFCNN. Haar cascade frontface algorithm, developed on PYTHON.

GUI Build - BAI calculator

This is a GUI to calculate body adiposity Index using height, gender, hip circumference and age as user input , developed on PYTHON

Machine Learning webapp

webapp to distinguish between edible and poisonous mushrooms, developed on PYTHON and streamlit.

2018 – 2019

GUI build - Preprocessing_UI_2.0.1

GUI of 8-channel time-series signal preprocessing to perform: data preparation, time and frequency domain analysis with excel integration, developed on MATLAB.

FFCNN for animal classification

Development of a FFCNN classifier for multivariate animal classification. data source: Kaggle, developed on PYTHON.

Education

2012 – 2014

Master's Degree : ECE at NIT Rourkela
CGPA : 8.04

Rourkela, Odisha

2008 – 2012

Bachelor's degree : ECE at SIT, WBUT
CGPA : 6.65

Siliguri, West Bengal

2008

10+2 : Science at Malda Zilla School
Percentage : 74

Malda, WB

Miscellaneous

- Projects Supervised : Two Masters' project supervised.
- Publications : 4.
- GATE : Year - 2012, rank - 3183, discipline - ECE