SANDIP DAS

Engineering Student with a passion for Problem-Solving and hands-on learning.

Currently, I am seeking an opportunity where I can utilize my technical, analytical and problem-solving skills for the benefit of the organization.

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EDUCATION

Bachelor of Technology

JIS UNIVERSITY

Computer Science & Engineering

July, 2019 – June, 2023

PROJECTS

✦ RESEARCH PROJECT

Detection of ADHD and explaining the factors

❖ Our model predicted ADHD with an accuracy of 97% and also providing insights into why an instance of data was classified as such.

Explainable AI for Predictive Analytics on Employee Attrition

❖ To analyze the possible factors behind employees leaving the company. We focused on in depth analysis of feature using LIME and SHAP in order to explain the feature and their importance level in details using a 15000 HR dataset.

✦ ACADEMIC PROJECT

Imbalanced Healthcare Data Handling

❖ A basic solution to a class imbalanced healthcare data using machine learning with 96% accuracy.

Online doctor appointment system

❖ Patients can book doctor's appointment whenever and wherever they wants by logging into our website.
> https://stethoscope.systems/

Handling Imbalanced Heart Disease Data and explaining the factors

❖ Imbalanced medical datasets hinder accurate predictions for heart disease, risking people's lives, but using Synthetic Minority Oversampling Technique (SMOTE) and eXplainable AI (XAI) such as LIME and SHAP can help balance the data and provide better visualization of predictions.

SKILLS

`Java` `Python` `C` `PHP` `JavaScript` `Machine Learning` `HTML` `CSS` `SQL` `Management` `Problem-Solving`

PUBLICATION

✓ **Explainable AI for Predictive Analytics on Employee Attrition** - Published
International Conference on Soft Computing and its Engineering Applications (CCIS,vol-1788.Springer,Cham.)
DOI - *https://doi.org/10.1007/978-3-031-27609-5_12*

✓ **Detection of ADHD and explaining the factors** - *Accepted for publication
International Conference on Data Science and Communication (ICTDsC-2023)

EXPERIENCE

HighRadius-Winter Internship
January, 2022 – April, 2022

CERTIFICATION

▢ *Deep Learning with TensorFlow*
Cognitiveclass.ai | IBM Developer Skills Network

▢ *Data Analytics and Visualization Virtual Experience*
Forage | Accenture

▢ *TCS iON Career Edge*
TCS - TCS iON

▢ *Machine Learning with Python*
Cognitiveclass.ai | IBM Developer Skills Network

LANGUAGE

➤ **English**   ➤ **Bengali**   ➤ **Hindi**