



# 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  
DOI - [https://doi.org/10.1007/978-3-031-27609-5\\_12](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

## 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