

Sudeshna Pan

Phone : 9123685505 | Email: sudeshnapan24@gmail.com

Objective

Aspiring to work in a responsible role where I can apply my skills, contribute to organizational goals, and grow through continuous learning.

Education

VIT Bhopal University

M.Tech

Major in Artificial Intelligence and Data Science

CGPA: 8.16/10

Bhopal, Madhya Pradesh

Expected Jun 2026

Siliguri Institute of Technology

B. Tech

Major in Information Technology

CGPA: 8.79/10

Siliguri, West Bengal

Jul 2022

12th Standard

Dum Dum Road Govt.Sponsored High School for Girls

WBCHSE Percentage: 72%

Kolkata, West Bengal

Mar 2016

10th Standard

Taki House Govt.Sponsored Girls'High School

WBBSE Percentage: 73.8%

Kolkata, West Bengal

Feb 2014

Projects

Fake Instagram Profile Detection

Aug 2024 – Oct 2024

- Developed a high-accuracy model using Logistic Regression, Random Forest, and Neural Networks to detect fake Instagram profiles, enhancing social media safety.
- Implemented data preprocessing and feature engineering to improve model performance and scalability.
- Authored an IEEE conference paper on this project, accepted for publication.

House Price Prediction

Sep 2024 – Nov 2024

- Engineered a predictive model using LightGBM and Scikit-learn, achieving high accuracy in house price prediction.
- Optimized the model for performance and maintained scalability using Python's efficient data handling techniques.

Mycin Expert System

Oct 2024 – Nov 2024

- Developed an expert system for medical diagnosis based on symptoms.
- Enhanced decision-making accuracy by implementing a rule-based approach using AI and Decision Trees.

Skills

Programming Languages: Python, SQL, HTML, CSS, JavaScript, Java

Frameworks & Libraries: TensorFlow, Scikit-Learn, Pandas, Numpy, LightGBM

Tools: Tableau, Excel

Languages: Fluent in Bengali, English; Conversational Proficiency in Hindi

Extra-CURRICULARS & Achievements

Hack4Health

Dec 2024

- Secured 2nd position by developing a Generative AI-based Healthcare Awareness System, demonstrating innovative problem-solving and effective team collaboration.

Organizer, Fresher's Welcome, Siliguri Institute of Technology

Sep 2019

Organized the Fresher's Welcome for B.Tech students with Classmates, managing planning and logistics.

Certifications & Training:

Elite Certificate (NPTEL): Joy of Computing Using Python

Jan 2019-Apr 2019

Certified (NSAKCET): Mind Grind with C

May 2021

Interest: Reading Tech News, Problem Solving