Sudeshna Pan

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github.com/pansudeshna24

Objective

M.Tech student in Artificial Intelligence and Data Science with strong foundations in IT and AI. Experienced in predictive modeling and innovative AI solutions that enhance efficiency. Passionate about contributing technical expertise to impactful projects within dynamic organizations.

Education

VIT Bhopal University   *Bhopal, Madhya Pradesh*
M.Tech in Artificial Intelligence and Data Science   *Expected Jun 2026*
CGPA: 8.16/10

Siliguri Institute of Technology (MAKAUT)   *Siliguri, West Bengal*
B.Tech in Information Technology   *Jul 2022*
CGPA: 8.79/10

Dum Dum Road Govt. Sponsored High School for Girls   *Kolkata, West Bengal*
12th Standard (WBCHSE)   *Mar 2016*
Percentage: 72%

Taki House Govt. Sponsored Girls' High School   *Kolkata, West Bengal*
10th Standard (WBBSE)   *Feb 2014*
Percentage: 73.8%

Key Projects

Fake Instagram Profile Detection   *Aug 2024 – Oct 2024*

- Developed high-accuracy models using Logistic Regression, Random Forest, and Neural Networks to detect fake profiles.
- Implemented data preprocessing & feature engineering, improving model scalability. Published IEEE paper [Link].

House Price Prediction   *Sep 2024 – Nov 2024*

- Built predictive model using LightGBM and Scikit-learn, achieving high accuracy for housing price estimation.

Mycin Expert System   *Oct 2024 – Nov 2024*

- Created an AI-based expert system for medical diagnosis using a rule-based Decision Tree approach.

Road Accident Analysis Dashboard   *Jul 2025*

- Developed interactive Power BI dashboard for road safety analysis as part of IISc Bengaluru's Power BI Intern selection task.

Technical Skills

Programming: Python, SQL, HTML, CSS, JavaScript, Java
ML/DL: TensorFlow, Keras, Scikit-Learn, LightGBM
Data Tools: Tableau, Power BI, Excel
Languages: Bengali, English (Fluent), Hindi (Conversational)

Achievements & Certifications

- Secured **2nd place** in Hack4Health (Dec 2024) for a Generative AI-based Healthcare Awareness System.
- NPTEL Elite Certificate – Joy of Computing Using Python (2019).
- Mind Grind with C (NSAKCET, 2021), AI Dashboards Workshop (Power BI, 2024).
- Deloitte Australia – Technology Job Simulation (July 2025).

Interests

Artificial Intelligence Research, Reading Tech News, Problem Solving, Data Visualization, Participating in Hackathons