UJJAWAL SINHA

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PROFILE

Enthusiastic Data Science student with advanced skills in Python, machine learning, and statistical analysis. Skilled in Data visualization and extracting actionable insights from complex datasets. Adept at applying data-driven strategies to support strategic decision-making and solve complex challenges.

EDUCATION

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY   Greater Noida, Nov 2021- July 2025
B.Tech in Data Science

DE-NOBILI SCHOOL ,CMRI   Dhanbad 2007-2018
Till Class 10th

RAJKAMAL SARASWATI VIDYA MANDIR   Dhanbad 2018-2020
Class 11th - Class 12th

SKILLS

Technical Skills:	Python (Pandas, Numpy, Keras, Tensorflow) – Machine Learning - Data Structure Algorithms – Artificial Intelligence - Data Analytics - Statistical Analysis - Data Visualization (Matplotlib, Seaborn, Tableau, Power BI) - Streamlit – API framework
Programming Languages:	Python - HTML - JavaScript - CSS - PHP – Java (Basics)
Soft Skills:	Time Management - Teamworking - Problem Solving - Decision Making Design Thinking

INTERNSHIP EXPERIENCE

Data Science Intern, Genpact   *July 2024 – Present Ongoing*

- Creating and integrating APIs to enhance data extraction processes.
- Collaborating with team members to identify and implement improvements.
- Gaining practical experience in data analysis and front-end development.

Data Science Intern, CodSoft IT Services   *Aug 2023 - Sept 2023*

- **Heart Disease Prediction:** Developed a machine learning model to predict the risk of heart disease.
- **Credit Card Fraud Detection:** Designed a system to detect and prevent fraudulent transactions.
- **Sales Prediction:** Created a model to forecast future sales trends.

LANGUAGES

- English
- Hindi
- French (Basics)

PROJECTS

Plant Disease Detection Using Keras and TensorFlow: Developed a Convolutional Neural Network (CNN) model using Keras and TensorFlow for detecting Early Blight and Late Blight diseases in potato plants. Implemented data augmentation and preprocessing techniques to enhance model accuracy and generalization. Achieved high classification accuracy by optimizing model architecture and hyper parameters.

Book Recommendation System: Designed and implemented a personalized book recommendation system using Python, leveraging collaborative filtering and content-based algorithms to enhance user engagement and satisfaction. Integrated data preprocessing, feature extraction, and model evaluation techniques to provide accurate and relevant book recommendations.

EDA on a Diwali Sales Dataset: Performed in-depth analysis on a Diwali sales dataset to identify key insights, such as the city with the highest sales and gender-based purchasing trends. This analysis provided actionable insights for optimizing marketing strategies and understanding customer behavior.

EXTRACURRICULAR ACTIVITIES

- Participated in NIET Internal Smart India Hackathon organized on 16th Sept 2023.
- Won 2nd Price in NIET College Tech Fest and Sports Meet in Bidding War Event.
- Organized and led an event called" Dataviz" focusing on advanced Data visualization techniques using Power BI, Tableau, and Excel.

CERTIFICATES

- Data Visualization with Python , IBM
- Python for Data Science and Development , IBM
- Programming Fundamentals using Python , Infosys
- Python Basics , Hacker Rank
- Data Visualization, Empowering Business with Effective insights , Tata