KAUSTAV DEY

CONTACT

+91 8927526034

kaustavdey2015@gmail.com

Shaktigarh, Siliguri, West Bengal

Linkedin

EDUCATION

TECHNO MAIN SALT LAKE
2019-2023

- B.Tech In Computer Science Engineering
- CGPA : 8.52

SKILLS

TECHNICAL SKILLS

LANGUAGES :

- C++, Python, Java

DEVELOPMENT:

- HTML, CSS, JS,
- Microsoft SQL Server,
- Machine Learning
- Data Mining
- Data Cleaning
- Data Analysis
- Data Visualization
- Advanced Excel Functions

SOFTWARE, TOOLS AND LIBRARIES:

- Scikit-Learn, Pandas, Numpy
- TensorFlow
- Azure
- Jupyter Notebook, Google Colab
- Excel
- Virtual Studio Code

PROFILE

As an aspiring Data Scientist, I am driven by a strong sense of self-motivation and a natural talent for problem-solving. I am deeply passionate about technology and its potential to drive innovation and improve lives. With a keen eye for detail and a commitment to excellence, I am eager to contribute my skills and enthusiasm to a dynamic software development team.

PROJECTS

ONLINE SHOPPING WEBSITE
JULY 2022 - AUGUST 2022

Workshop Project

- The website has a **user-friendly interface** created with **HTML** and **CSS** and uses **JSP** allowing for **dynamic** content generation to enhance the experience.
- This uses **MySQL** as the **database management system**, ensuring the **customer data** is stored and retrieved **securely.**

TIC-TAC-TOE
NOVEMBER 2022- NOVEMBER 2022

Two Player Game

- The game offers an **interactive** playing **experience** for 2 players.
- Players take turns making the spaces on the **3X3 grid**.
- The use of **JavaScript** enables **real-time updating** of the grid based on player input.
- The game features a **responsive design** with **HTML** and **CSS** ensuring it can be played on any device.

Multiple Disease Prediction WebApp
MARCH 2024 - MARCH 2024

Machine Learning Project

- The project utilizes **Streamlit**, a **Python library**, to create an interactive **web application**.
- Users can easily **input data** and receive **predictions** for **Diabetes**, **Heart** disease, and **Parkinson's** disease.
- The web app uses **machine learning models** trained on datasets sourced from **Kaggle** to make predictions.
- These models are saved using **Pickle** for easy loading and deployment.
- **ML Model predicts: Heart** disease with **85% accuracy**, **Diabetes** with **80% accuracy**, and **Parkinson's** disease with **87% accuracy**.
- The project was developed using J**upyter Notebook and Spyder**. The **web app** is deployed on **Streamlit Cloud.**

Netflix Recommendation System
APRIL 2024 - APRIL 2024

Machine Learning Project

- The **project** utilizes the **SVD technique** from **ML** to build a **recommendation system**.
- **SVD** is a **matrix factorization technique** commonly used in **collaborative filtering-based recommendation systems** to **predict user ratings** for **movies.**
- **80%** of the time went into **data cleaning and EDA**(Exploratory Data Analysis) and the rest **20%** went into building a **predictive model** and **fetching data** asked in the problem statement.
- The **recommendation system** identifies the most popular and liked genres among users by **analyzing** the dataset with over **2 crore+** records.

SOFT SKILLS

- Fast learner
- Problem Solving
- Communication Skill
- Leadership
- Critical Thinking
- Adaptability

LINKS

- Leetcode://imkd4real
- Github://Kaustav2023
- Linkedin://Kaustav Dey
- Codechef:// @kaustavdey
- HackerRank://kaustavdey2015

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Bengali (Fluent)

Walmart Sales Forecasting MAY 2024 - MAY 2024

Machine Learning Project

- **ARIMA**(**AutoRegressive Integrated Moving Average**) **is u**tilized for modeling and forecasting the time series data to predict future sales.
- **SARIMA**(**Seasonal AutoRegressive Integrated Moving Average**) is applied to account for to account for **seasonality** in the data, enhancing the **accuracy** of the **predictions.**
- **EDA**(**Exploratory Data Analysis**)**:** Conducted in-depth **data exploration** and **visualization** to identify **patterns**, **trends**, and **anomalies** in historical **sales data**.
- **90%** of the **time** was spent in the **EDA** and **Data Visualization** stage.
- **Achieved** a significant **reduction** in **forecast error rates**.
- Provided **actionable insights** that helped **optimize** sales strategies and promotional planning.

AWARDS

- Obtained a score of 8.52 CGPA in B.Tech Honors in **CSE 2023**
- 5-star in C++ Hackerrank(Gold Level) **2019-23**
- 3-star in SQL Hackerrank(Silver Level) **2019-23**
- 1st/4 Inter House FootballTournament **2018**
- 1st/16 Relay Race **2017-18**
- 1st/150 Sportsman Of The Year **2017**
- 1st/150 Most Active StudentOf the Year **2017**

CERTIFICATES

- Summer Industrial Internship on Advanced Java
- Python Data Analysis | Rice University
- Introduction to Big Data | UC San Diego
- Version Control with Git | Atlassian University
- Java Program: Solving Problems with Software | Duke University
- Microsoft Excel: Advanced Excel Formulas & Functions
- Tableau 2024 A-Z: Hands-On Tableau Training for Data Science