Abhinaba Das

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Projects

Credit Card fraud Detection / *Python programming*   **Dec 2024 - Jan 2025**

- Developed a credit card fraud detection system using Python, **Pandas**, **NumPy**, **Seaborn**, and **Matplotlib** to preprocess data and visualize patterns.
- Implemented a **Decision Tree model** for transaction classification and **K-Means clustering** to identify anomalies in real-time transactions.
- Designed to minimize **40%** financial risks by providing an accurate and efficient fraud detection solution.
- GitHub Repository Link: Abhinaba35/Credit-Card-fraud-Detection-

Talk-AI/ *Python programming*   **Sep 2024 - Oct 2024**

- Developed the Talk AI chatbot using the **Ollama framework in Python**, focused on **natural language processing** for human like conversations.
- Enhanced interaction capabilities, making the chatbot suitable for virtual assistants and customer support applications.
- Ensured flexibility and **15%** adaptability for various use cases, delivering improved user engagement and conversational accuracy.
- GitHub Repository Link: Abhinaba35/Talk-AI

Training

Cipher Schools / *Python programming*   **Jun 2024 - Jul 2024**

- Played a key role in developing data-driven projects at Cipher Schools, helping improve the accuracy and efficiency of **data analysis**.
- Made data processing smoother and more insightful by using **Python**, **Pandas**, and **Matplotlib**, making it easier to draw meaningful conclusions.
- Improved machine learning models by fine-tuning algorithms, optimizing features, and ensuring they perform efficiently.
- Wrote test cases using **PyTest** to check **data accuracy**, validate **machine learning models**, and ensure smooth **API interactions**. Used mock data to simulate real-world scenarios and make the code more reliable.

Certificates

Cloud Computing   **Nov 2024**
NPTEL — NPTEL24CS118S1570200836

Data Analysis with Tableau   **Nov 2024**
COURSERA — VV60O6EAIVKB

Skills

Languages: C++, SQL, R programming

Technologies/Frameworks: Excel, Tableau, Linux, Hadoop , HBase

Skills: Data Structures and Algorithms, Responsive Web Design with HTML, CSS and JavaScript, LLM

Soft Skills: Problem solving, Logical thinking, Adaptability

Education

Lovely Professional University   **Oct 2022 – Present**
Computer Science and Engineering |CGPA: 7.51   *Punjab, India*

Mejia High School (H.S.)   **Jun 2021 – Jul 2022**
Intermediate (PCMB) | Percentage: 82   *Mejia, West Bengal*

Mejia High School (H.S.)   **Jan 2019 – Mar 2020**
Secondary | Percentage: 81   *Mejia, West Bengal*