

# Abhinaba Das

Mejia, West Bengal - 722143

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## Training

### Cipher Schools

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 performed 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.

## 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-](https://github.com/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](https://github.com/Abhinaba35/Talk-AI)

## Certificates

### Cloud Computing

Nov 2024

NPTEL — NPTEL24CS118S1570200836

### Data Analysis with Tableau

Nov 2024

Coursera — [VV60O6EAIVKB](https://www.coursera.org/certificate/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

Computer Science and Engineering |CGPA: 7.51

2022 – Present

Jalandhar, Punjab

### Mejia High School (H.S.)

Senior Secondary | Percentage: 82

2021 – 2022

Mejia, West Bengal

### Mejia High School (H.S.)

Secondary | Percentage: 81

2019 – 2020

Mejia, West Bengal