

Arindam Maji

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SKILLS

- **Languages:** C++, Python, R, SQL, Java
- **Frameworks:** HTML and CSS, NumPy, Pandas, Matplotlib, Scikit, Keras
- **Tools/Platforms:** MySQL, Tableau, Jupyter Notebook, MS Excel, Git, GitHub, Linux, AWS
- **Soft Skills:** Leadership, Problem-Solving Skills, Team Player, Communication, Project Management, Adaptability

PROJECTS

- **Customer Segmentation:** June 2024 - July 2024
 - Performed customer segmentation for a business to identify distinct customer groups based on purchasing behavior and demographic information.
 - Applied K-means clustering to classify customers into different segments based on features like spending patterns, frequency, and customer profiles.
 - Preprocessed and cleaned data using Pandas and NumPy to handle missing values, outliers, and standardized features for clustering.
 - Visualized the segmented groups using Matplotlib and Seaborn, generating insightful charts and graphs to interpret and present the results.
 - Optimized the number of clusters using the Elbow Method and Silhouette Score, ensuring accurate and meaningful segmentation.
 - Generated actionable insights to improve targeted marketing strategies, enhance customer satisfaction, and drive business growth.**Tech:** Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), Jupyter Notebook
- **The Coffee Shop Sales Analysis Dashboard:** April 2024
 - Developed an interactive dashboard to visualize key sales metrics, trends, and seasonal patterns.
 - Processed sales, customer, and inventory data to generate insights on trends and performance.
 - Created interactive visualizations for easy tracking of daily, weekly, and monthly sales.
 - Optimized data reporting for decision-making and inventory management.**Tech:** MS-Excel
- **Toll Plaza Management System:** February 2024
 - Developed a toll management system using C++ for automated toll collection and vehicle categorization.
 - Utilized R for real-time data analysis and visualizing traffic and revenue trends.
 - Optimized system efficiency, reducing wait times and improving revenue tracking.
 - Designed a scalable solution with data storage for transaction history and reporting.**Tech:** C++, R

CERTIFICATE/CERTIFICATIONS

- IBM DevOps and Software Engineering December 2024
- Data Analysis with Tableau by Salesforce December 2024
- Cloud Computing by NPTEL October 2024
- Python, Data Science & Machine Learning Integrated by Cipher SCHOOLS July 2024

ACHIEVEMENTS

- **Intercollegiate Competitions:** November 2024
Represented the **Department of Computer Science and Engineering (CSE)** in the **SPECTRA** event and secured **2nd position**.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.21 August 2022 - July 2026
Favorite Courses: Object Oriented Programming, Data Structures, DevOps, Predictive Analysis
- **Sagarpur Sir Ashutosh High School (H.S)** Midnapore, West Bengal
Intermediate; Percentage: 93% January 2020 - March 2022
- **Sagarpur Sir Ashutosh High School (H.S)** Midnapore, West Bengal
Matriculation; Percentage: 88% January 2019 - March 2020