ADITYA RAJ

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SKILLS

- **Languages**: C, C++, Java, Python
- **Frameworks**: HTML and CSS
- **Tools**: MySQL
- **Soft Skills:** Team Worker

PROJECTS

Sentiment Analysis Using NLP
Aug 2023

Project Description: Developed a sentiment analysis model to classify customer reviews from a restaurant's Facebook page into positive or negative sentiments, enabling data-driven decision-making to improve service quality.

Key Responsibilities:
- Collected real-time customer reviews from social media using web scraping and API integration.
- Processed and analysed textual data using Natural Language Processing (NLP) techniques.
- Provided insights to help the restaurant proactively address negative feedback and enhance customer experience.

Technologies Used: Python, NLP

Exploratory Data Analysis on E-Commerce Sales Data
Sept 2024

Project Description: Conducted an in-depth Exploratory Data Analysis (EDA) on Amazon sales data to identify customer behaviour patterns, product performance, seasonal trends, and the impact of discounts on sales.

Key Responsibilities:
- Collected, cleaned, and pre-processed e-commerce sales data.
- Performed single-variable and bivariate analysis to uncover patterns and correlations.
- Applied data visualization techniques (histograms, scatter plots, heatmaps) for insights.
- Segmented customers based on purchase behaviour to optimize marketing strategies.
- Identified sales trends, high-performing product categories, and the impact of discounts.

Technologies Used: Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook.

CERTIFICATIONS

- **Complete Interview Preparation**
  Course Platform: GeeksforGeeks
  Successfully completed a comprehensive 92% of the CIP program, which covered key topics in Data Structures, Algorithms, and Resume Building. Developed strong proficiency in Java programming, including Object-Oriented Programming (OOP), Array Lists, Strings, and advanced concepts. Gained hands-on experience through problem-solving, contests, and various coding challenges.

- **Data Structures and Algorithms Certification**
  Course Platform: BoardInfinity
  Completed an extensive certification course focusing on Data Structures and Algorithms (DSA) with practical implementation using C++. Developed in-depth knowledge of key concepts, problem-solving strategies, and algorithmic optimization. The course was guided by expert-led sessions and hands-on exercises, providing a solid foundation for technical interviews and real-world applications.

EDUCATION

Bachelor of Technology, Computer Science and Engineering
Aug 2022 - Present
Lovely Professional University, Punjab

Oxford Public School | XII | Science
Apr 2021 - Apr 2022
Muzaffarpur, Bihar