KASHISH DATTA

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EDUCATION

Bachelor of Technology in Information Technology   Nov 2020 - May 2024
Minor/Honours in Data Science   Anand, IN
Birla Vishvakarma Mahavidhyalaya
Coursework: Object Oriented Programming with C++ & Java | Machine Learning | Database Management System | Big Data & Visualization | Python | Management Information Systems | Data Science | Data Structures | Data Analytics | Probability | Statistical Modelling
3.33/4.00

TECHNICAL SKILLS

Python | Amazon Web Services (AWS) | Machine Learning | Microsoft Excel | Power BI | JavaScript | SQL | NoSQL | MATLAB | Cloud Computing | Data Analysis | Web Development | DevOps Basics | Tableau

WORK EXPERIENCE

Indian Space Research Organisation (ISRO)   Jan 2024 - May 2024
Researcher   Ahmedabad, IN
- Developed an optimization framework for EV charging infrastructure along the Ahmedabad-Delhi highway, integrating data, simulation, predictive modeling, geospatial analysis, and optimization algorithms.
- Conducted rigorous testing and validation of the system using representative use cases, demonstrating its effectiveness in supporting decision-making and promoting sustainable transportation.

smartSense   June 2023
Data Science & Analytics Intern   Ahmedabad, IN
- Spearheaded the development of a comprehensive optimization framework for electric vehicle charging infrastructure along the Ahmedabad-Delhi highway, leveraging advanced techniques to derive actionable insights for optimal placement and capacity planning.
- Conducted extensive testing and validation of the developed system using carefully designed use cases, demonstrating its effectiveness in facilitating informed decision-making and promoting sustainable transportation practices.

Eve Healthcare Center   Jan 2023 - June 2023
Business Analyst Intern   Haryana, IN
- Conducted comprehensive analysis, utilized advanced analytical techniques, and led market research efforts to ensure alignment with business needs, extract valuable insights, and provide data-driven recommendations for the digital healthcare platform.
- Collaborated effectively with cross-functional teams, demonstrated exceptional proficiency in relevant tools and technologies, and actively sought opportunities for skill improvement to facilitate communication, stay current with industry trends, and contribute to project success.

PROJECTS

Solar X-ray Monitor's Data Analysis System and Intensity Classification
Description:
- Collected and pre-processed data from solar X-ray monitors of the Chandrayaan-2 orbiter, applying data cleaning and transformation techniques for analysis.
- Utilized machine learning algorithms to classify solar intensity levels based on historical data, aiding in space weather monitoring and prediction.
- Developed visualization tools to represent solar intensity data, facilitating easy interpretation by scientists and researchers.

Movie Recommendation System using Sentiment Analysis
Description:
- Utilized Natural Language Processing (NLP) techniques to analyze user reviews and sentiment scores to make movie recommendations more personalized.
- Employed collaborative filtering algorithms to enhance recommendation accuracy by considering user preferences and behaviors.
- Implemented a user-friendly interface for users to provide feedback on recommended movies, further improving the recommendation system over time.

Optimal Placement of EV Charging Stations on the Highways
Description:
- Developed a comprehensive optimization framework for EV charging infrastructure along the Ahmedabad-Delhi highway, leveraging advanced techniques to derive actionable insights for optimal placement and capacity planning.
- Conducted extensive testing and validation using carefully designed use cases, demonstrating the system's effectiveness in facilitating informed decision-making and promoting sustainable transportation practices.
- Collaborated with a multidisciplinary team, applying strong analytical and problem-solving skills to overcome complex challenges and deliver a robust, data-driven EV charging infrastructure optimization solution.

Fraud Detection System
Description:
- Integrated real-time data streaming and processing to monitor financial transactions, enabling rapid fraud detection and prevention.
- Leveraged supervised learning models to classify fraudulent and legitimate transactions, achieving high accuracy rates.
- Utilized unsupervised learning techniques, such as clustering, to identify emerging patterns and anomalies in transaction data, contributing to fraud detection improvements.

CERTIFICATIONS

Leadership Skills (IIM Ahmedabad) | Data Visualization with Tableau Specialisation (UC Davis) | Deep Learning Specialisation (DeepLearning.ai) | Accenture Data Analytics and Visualization Virtual Experience (Forage) | Business Analysis Fundamentals (Udemy) | AWS Cloud Technical Essentials (AWS, Coursera) Data Analytics Essentials (Cisco, Credly) | Supply Chain Analytics Specialisation (Rutgers the State University of New Jersey)

PUBLICATIONS

- **Classification and Analysis of Solar X-ray Monitoring Data for Intensity Monitoring**
  DOI Link:
  Journal: International Journal for Research in Applied Science and Engineering Technology (IJRASET)
- **Enhancing OSINT Practices with Eye-Sint: A Multi-Module Intelligence Tool**
  Journal: Indian Journal of Natural Sciences