

EDUCATION

Bachelor of Technology in Information Technology <i>Birla Vishvakarma Mahavidhyalaya</i> Coursework: Object Oriented Programming with C++ & Java Machine Learning Database Management System Big Data & Visualization Python Management Information Systems 3.33/4.00	Nov 2020 - May 2024 Anand, IN
Minor/Honours in Data Science <i>Birla Vishvakarma Mahavidhyalaya</i> Coursework: Data Science Machine Learning Data Structures Data Analytics & Visualization Python Probability Statistical Modelling 3.65/4.00	Nov 2022 - May 2024 Anand, IN

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) <i>Researcher</i> <ul style="list-style-type: none">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.	Jan 2024 - May 2024 Ahmedabad, IN
smartSense <i>Data Science & Analytics Intern</i> <ul style="list-style-type: none">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.	June 2023 Ahmedabad, IN
Eve Healthcare Center <i>Business Analyst Intern</i> <ul style="list-style-type: none">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.	Jan 2023 - June 2023 Haryana, IN

PROJECTS

Solar X-ray Monitor’s Data Analysis System and Intensity Classification <i>Description:</i> <ul style="list-style-type: none">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.
Chatbot for College Website <i>Description of the project:</i> <ul style="list-style-type: none">Designed and trained a chatbot using natural language understanding techniques to provide informative responses to common queries.Integrated the chatbot with the college's website, enhancing user engagement and providing immediate support to students and visitors.Continuously improved the chatbot's knowledge base and conversational abilities based on user interactions and feedback.
Movie Recommendation System using Sentiment Analysis <i>Description:</i> <ul style="list-style-type: none">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 <i>Description:</i> <ul style="list-style-type: none">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 solution for EV charging infrastructure optimization.
Fraud Detection System <i>Description:</i> <ul style="list-style-type: none">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.