KASHISH DATTA

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EDUCATION

Masters of Science in Information Systems - GPA: 4.0, *California State University, Long Beach* ***Expected: May 2026***
Coursework: Business Intelligence | Oracle | Statistics | ETL | AWS | Business Data Analysis | RDBMS

Bachelor of Technology in Information Technology - GPA: 3.5/4.0 *May 2024*
Minor/Honours in Data Science, *Birla Vishvakarma Mahavidhyalaya*
Coursework: C++ | Big Data | Hadoop | Data Mining | MapReduce | Spark | Java | Python | R | ERP | Java | C# | .NET

SKILLS

Technical Skills:	Python, Numpy, Pandas, Matplotlib, Scikit-learn, Tensorflow, PostgreSQL, SciPy, PyTorch, Keras
Core Skills:	Requirement Gathering, Data Analysis, Statistical Analysis, Data Visualization, Market Research, Process Modeling, Agile, API, Git, KPIs, Classification, Regression
Tools:	Tableau, PowerBI, MS Excel, Alteryx, AWS, GCP, Jira, SPSS, Azure, Jupyter, DataBricks, MS Powerpoint

EXPERIENCE

Data Scientist, *ISRO (Indian Space Research Organization)* *Jan 2024 - Apr 2024*
- Optimized EV charging station placement by geospatial data analysis using machine learning (Scikit-learn) in Linux OS.
- Simulated traffic and driver behavior with Python to model charging demand across various conditions.
- Leveraged data warehousing and ArcGIS for spatial analysis, identifying 100+ locations and boosting model accuracy to 96%.
- Expanded coverage from 300 locations across five states, supporting sustainability goals and infrastructure planning.

Business Analyst, *Eve Healthcare PVT. LTD* *Jan 2023 - Jun 2023*
- Conducted business requirements analysis and led market research, improving platform competitiveness by 20%.
- Applied advanced analytics, including predictive modeling and trend analysis, to boost decision-making accuracy by 30%.
- Created 10+ executive dashboards, conveying insights and accelerating the implementation of recommendations by 15%.
- Collaborated with cross-functional teams and working with stakeholders, increasing efficiency and providing data solutions.

PROJECTS

Water Quality Analysis in California
- Analyzed over two million records from 1903, achieving 95% model accuracy in classifying water samples as toxic or non-toxic.
- Identified key contamination parameters and regions with high toxicity levels, with 33.7% toxic samples in Los Angeles County.
- Generated visualizations to highlight trends, revealing peak toxicity between 1930–1980 and disparities across California.
- Recommended enhanced sampling and monitoring strategies to improve water quality and reduce contamination risks.

Solar X-ray Monitor *link*
- Led a six-month solar monitoring project, managing a team of five and over 100+ documents, delivering two weeks early.
- Leveraged Python for analytics, machine learning, visualization to classify unstructured solar X-rays tripling processing speed.
- Progressed a React-based frontend, enabling efficient handling of 50% more data points for ISRO's solar research.
- Converted LightCurve files to CSV, streamlining workflows, contributing to findings, and enhancing space weather predictions.

Sales Performance and Customer Insights Dashboard
- Designed Tableau dashboards to analyze customer and sales KPIs, improving data-driven decision-making efficiency by 20%.
- Implemented dynamic filters for product categories and regions, enhancing user insights and optimizing sales strategies.

Fraud Detection *link*
- Developed a fraud detection system analyzing a million transactions using ML, ensuring timely delivery via Agile methodology.
- Utilized SQL for data preprocessing and trained supervised models on 300,000+ transactions, boosting accuracy by 20%.
- Implemented real-time monitoring, reducing false positives by 15% and enhancing system reliability.

LEADERSHIP EXPERIENCE

Co-Founder & Documentation Lead, *Machine Learning Club, BVM* *Mar 2023 - May 2024*
- Organised 5 workshops for 50+ attendees, managing logistics, scheduling, and materials; also led a team to develop and implement a **chatbot** for streamlining student inquiries at my college.