

Loka Adarsh Dronamraju

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EDUCATION

Illinois Institute of Technology	Chicago, IL
<i>MAS in Information Technology & Management Data Analytics GPA-3.9</i>	<i>Aug. 2023 – May 2025</i>
<i>Inducted into Upsilon Pi Epsilon (International Honor Society for Computing & Information Disciplines)</i>	
Sreenidhi Institute of Science and Technology	Hyderabad, India
<i>Bachelor of Technology, Information Technology</i>	<i>Aug. 2018 – May 2022</i>

EXPERIENCE

TELUS Digital – Online Data Analyst (Freelance)	Remote, United States 2025 – Present
<ul style="list-style-type: none">Analyzed large-scale datasets using structured analytical frameworks to assess data quality, consistency, and relevance.Applied data quality validation techniques and pattern analysis to identify inconsistencies across outputs and improve downstream analytical reliability.	
Sayaam For All – Product Manager (Volunteer)	Remote, United States 2025 – Present
<ul style="list-style-type: none">Collaborated with cross-functional stakeholders (design, engineering, project management) to translate user needs into actionable product requirements.Maintained product documentation on the product wiki and incorporated user feedback to support feature prioritization.Owned requirements definition by creating concise PRDs, user flows, and acceptance criteria for web application features.	
DevStack Solutions – Data Science Intern	India Nov 2021 – Dec 2021
<ul style="list-style-type: none">Developed data pipelines in Python (Pandas, NumPy) to clean and transform 9.8K+ grocery and sales records, ensuring accuracy and scalability for analytical modeling.Built time series forecasting (ARIMA, Holt-Winters) and clustering models (K-Means, PCA) to predict monthly sales and segment 48+ items into 14 optimized categories, improving forecast accuracy by ~15%.Validated and visualized model performance using Logistic Regression, evaluating classification performance and trends, Matplotlib, and presenting actionable insights and trend analyses to leadership.	
GoalStreet – Data Analyst Intern	India May 2020 – Jul 2020
<ul style="list-style-type: none">Extracted and transformed large visa datasets using SQL and Python (Pandas) to enable predictive analytics and trend monitoring for policy evaluation.Developed and optimized classification models (Decision Tree, Random Forest) in scikit-learn, achieving 83% accuracy in predicting visa approval outcomes.Performed exploratory and statistical analysis to identify key drivers of approval rates, producing actionable insights and documentation.	

PROJECTS

Healthcare Insights Python, Data Mining, EDA, Machine Learning, Clustering	Jan. 2024 – May. 2024
<ul style="list-style-type: none">Processed 991K+ patient health records to ensure data quality and completeness for large-scale predictive modeling.Developed predictive models (Logistic Regression, Random Forest, Gradient Boosting, Neural Networks), achieving 73% accuracy / 0.81 ROC-AUC (drinking) and 69% accuracy / 0.88 ROC-AUC (smoking).Applied clustering techniques to uncover high-risk subgroups, improving understanding of patient patterns and preventive care opportunities.	
Maven Toy's Store Power BI, ETL, Power Query, DAX	Nov. 2024 – Dec. 2024
<ul style="list-style-type: none">Designed an interactive sales dashboard consolidating inventory, transactions, and customer data, making it easy for business teams to track performance.Created custom DAX measures (YTD Sales, Profit Variance, % Change, KPI cards, drill-through slicers) for real-time insights and executive-ready reporting.	

TECHNICAL SKILLS

Analytics: Classification, Clustering, Data Analysis, Hypothesis Testing, Model Training/Validation, Predictive Modeling, Statistical Inference
Databases: MySQL, NoSQL, Oracle, SQLite
Languages, Tools & Frameworks: Excel, ETL, EDA, Microsoft Access, Power BI, Python, R, SQL
Libraries: Matplotlib, NumPy, Pandas, Scikit-learn, Seaborn, TensorFlow
Soft Skills: Collaborative, Fast Learner, Results-Oriented