

# Loka Adarsh Dronamraju

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## EDUCATION

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

## EXPERIENCE

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

## PROJECTS

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

## TECHNICAL SKILLS

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