

# DIVYA PULLIVARTHI

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## EDUCATION

### DePaul University, Chicago

*Masters, Information Systems*

**2024 –2026**

GPA: 3.97/4.0

### MIT Art, Design, and Technology University, Pune

*Bachelor of Technology, Electronics and Computer Engineering*

**2019–2023**

GPA: 8.21/10

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## EXPERIENCE

### College of Computing and Digital Media, DePaul University

*Grader*

**Chicago, IL**

*Sep 2024–Present*

- Assessed over 500 student submissions across quizzes, homework, and projects, providing detailed feedback that improved student understanding and engagement by 30%.
- Developed comprehensive grading rubrics that standardized evaluation criteria for diverse assignments, leading to a 20% reduction in grading discrepancies and ensuring consistent assessment quality.
- Subjects: Data Analysis, Statistics and Data Analysis, Data Analysis and Regression, Cloud Computing, Systems Analysis and Design.

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*Intern*

**Pune, India**

*Jan 2023–Jun 2023*

- Analyzed large datasets using Python to uncover patterns, improving reporting efficiency by 25% for Telecom Customer Churn Prediction.
- Cleaned and validated data for deep learning tasks, enhancing input quality by 15%.
- Led ETL and feature engineering, cutting model delays by 30%.
- Supported churn prediction by structuring data and finding trends, aiding a 10% boost in retention.
- Identified churn risk factors, enabling strategies that saved over \$20K annually.

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## PROJECTS

### Churn Prediction Model – Subscription-Based Service

**Mar 2025–Jun 2025**

- Estimated up to 15% churn reduction by identifying high-risk customers via logistic regression on 2,200+ subscription records.
- Projected a 22% improvement in ROI through targeted marketing based on churn segmentation.
- Reduced analysis time by 30% using automated variable selection and model comparison in SAS with AIC/SC criteria.
- Achieved 72.8% prediction precision by optimizing features through engineering, variable selection, and evaluation metrics.

### EcoPack – Sustainable Packaging BI Solution

**Mar 2025–Jun 2025**

- Designed a BI tool to track packaging cost, emissions, and compliance.
- Built interactive dashboards with filters for recyclability, timeline, and EPR compliance.
- Analyzed product data to identify inefficiencies (e.g., Product 10 costs high).
- Recommended packaging redesigns targeting \$1.7M/year in savings with a 6–9 month breakeven.

### DeConnect

**Sep 2024– Nov 2024**

- Led an Agile team as Scrum Master to build a networking platform for DePaul students, alumni, and faculty.
- Coordinated daily stand-ups and retrospectives, optimizing team collaboration and reducing project bottlenecks, which contributed to a 15% improvement in sprint completion rates.
- Earned faculty recognition for technical excellence, commitment, and presentation quality.

## **Multiple Object Detection, Tracking, and Motion Detection Shadow Robot Based on CV    Aug 2022–May 2023**

- Focused on developing the shadow robot, which involves four important and challenging tasks: multiple object detection, object tracking, lane tracking, and motion detection.
- Published a paper on the project in the IJRTI International Journal for Research Trends and Innovation ([Link](#)).
- Presented the paper at the 5th National Conference on Innovative Global Technology Trends in Art, Design, Technology, Management, Vedic Science, Education, Architecture, and Film & Media, MIT-ADT, Pune.
- Technologies used: Computer Vision, Image Processing, CNN, YOLO Algorithm/Model, OpenCV.

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### **TECHNICAL SKILLS**

Power BI, Tableau, SPSS, SAS, Excel, MySQL, Oracle SQL, Python, R, Jupyter Notebook, Anaconda, TensorFlow, Project Management, Scrum, Agile, JIRA, Stakeholder Management, Requirements Gathering, PyCharm, VS Code, Figma, Balsamiq, draw.io, Microsoft Visio, Microsoft Office 365.

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### **ACCOMPLISHMENTS**

- Developed and executed comprehensive orientation programs for incoming students, resulting in a 25% improvement in new student satisfaction ratings as measured by post-event surveys.
- Coordinated a team of 20 volunteers to streamline event logistics, reducing setup and breakdown times by 30%, ensuring seamless execution of large-scale campus activities.
- Certified in GenAI, Power BI, and Agile Methodologies, completing hands-on simulations by CBRE, JPMorgan Chase & Co., and Cognizant.
- Led an award-winning final year project, selected for publication in IJRTI, an international journal, and Abhivruddhi College Journal, and showcased at the National Level Project Expo 2K23.