

# Manaswini Gopala

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## Education

**San Diego State University (San Diego, CA)**

08/2024 - 05/2026

Masters of Science in Information Systems

**GPA: 3.77 / 4.0**

**Coursework:** Statistical Analysis, Operations Supply Chain Management, Financial Reporting and Analysis, Enterprise Database Management, Business Analytics, AI and Big Data, Project Planning Management Analysis of Algorithms, Database Theory Implementation, Machine Learning, Principles and Techniques of Data Science, Computer Networks and Distributed Systems

**VNR Vignana Jyothi Institute of Engineering & Technology (Hyderabad, INDIA)**

12/2020 - 04/2024

Bachelor of Technology in Information Technology

**GPA: 8.7 / 10.0**

## Skills

- **Languages:** C, C++, Java, Python, SQL, HTML, CSS, Bootstrap, JavaScript, R
- **Data Analysis and Visualization:** Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, Statsmodels, Jupyter Notebook, NLP, Data Modeling, ETL pipelines, Excel, Google sheets, Tableau, Power BI
- **Tools/Platforms:** Git, Burpsuit, Hadoop
- **Project Management:** Agile, Leadership & Mentorship, Organizational, Problem Solving, Analytical Thinking, Team work, Working under pressure, Time Management, Negotiation, Conflict Resolution, Communication, Cross-functional collaboration, Attention to detail

## Experience

**San Diego State University (San Diego, CA)**

**Graduate Assistant**

01/2025 - Present

- Engineered and modeled data from 10-K reports of various pharmaceutical companies to identify and quantify supply chain risks using data analytics and statistical modeling techniques.
- Developed end-to-end risk assessment frameworks and delivered actionable business insights through interactive Python and Excel dashboards, supporting strategic decision-making.

**Math & Science Learning Center (San Diego, CA)**

**Instructional Student Assistant**

01/2025 - Present

- Mentored students in Statistics, Advanced Mathematics and Java, reinforcing concepts in probability, regression analysis, and algorithmic problem solving.
- Developed analytical and data-driven teaching methods, utilizing real-world datasets and visualization tools to enhance data interpretation and analytical thinking and effective communication of complex concepts.

**CDTech Solutions (Reading, UK)**

**Data Analyst Intern (Remote)**

06/2023 - 07/2024

- Conducted data analysis and data mining using Python (Pandas, Matplotlib, Seaborn) to uncover patterns, trends, and actionable insights from large datasets.
- Designed interactive dashboards and reports in Power BI and Tableau, improving business decision-making through effective data visualization and statistical modeling.

## Projects

- **Sentiment Analysis for Social Media Networks:** Developed and implemented a predictive model utilizing NLP techniques to analyze user-generated content and assess sentiment trends in political tweets, enabling location-specific insights for various parties.  
**Tech:** Python, scikit-learn, NLTK, Geopy, Location Data APIs, Google colab, Git, Excel, NLP, Sentiment Analysis, Vader-sentiment, Sentiment Intensity Analyzer, Text Preprocessing, Data visulization (Power BI, Wordcloud, Matplotlib)
- **Cyberbullying Detection in Social Networks:** Developed an NLP-based sentiment analysis pipeline that classifies user-inputted tweets as positive or negative using VADER and an SVM classifier. Built backend logic for preprocessing and model inference, achieving accurate real-time predictions and contributing to a **10%** improvement in online moderation efficiency.  
**Tech:** Python, Flask, SVM, TFIDF, HTML, CSS, JavaScript, SQL, scikit-learn, NLTK, TextBlob, Jupyter.
- **Theme Park Management:** Built a data-driven Theme Park Management System to analyze ticketing, parking, ride maintenance, and employee performance. Created interactive dashboards using Python and Plotly to support data-informed decision-making.  
**Tech:** Python, SQL, Plotly, Jupyter.
- **YouTube Transcript Summarizer:** Developed a Chrome extension for real-time YouTube video summarization using NLP and Transformers. Applied transcript parsing, keyword extraction, and optimized data pipelines to boost summarization efficiency by **50%**. Designed an interactive UI to enhance user experience.  
**Tech:** NLP, browser extension development, API design, and integration between frontend and backend components, YouTube transcript Summarizer, Manifest V3, Python, Flask.

## Leadership & Volunteer Experience

**National Service Scheme (NSS, VNR VJIET)**

**Treasurer**

09/2023 - 04/2024

- As organizer, I led various community service projects and collaborated with cross-functional teams of students, faculty, and local partners to plan and execute impactful outreach programs.

**Diurnalis- The Journalism Club (VNR VJIET)**

**Publicity & Communications Executive**

06/2021 - 04/2024

- Designed and executed club-wide communication strategies by coordinating with multiple departments. Led social media campaigns, boosted visibility across platforms.