Preethi Sridhar

U.S. Citizen | (347)-296-7242 | preethisridhar2002@gmail.com| Portfolio | LinkedIn | GitHub

EDUCATION

New York Institute of Technology GPA: 3.70/4.00
Master of Science, Computer Science May 2026

New York Institute of Technology
Bachelor of Science, Biology Dec 2023

PROFESSIONAL EXPERIENCE

Extern, Breaking Games Oct 2026 - Present
SQL & Database Architecture Extern

- Designing a relational analytics database in SQLite to integrate six disconnected e-commerce datasets, establishing primary/foreign key relationships for structured querying and reporting.
- Developing SQL transformations and cleaned analytical views to identify bot traffic, resolve data quality issues, and improve the reliability of downstream metrics.
- Analyzing marketing attribution across 400+ referral sources to evaluate customer acquisition, channel ROI and revenue performance.
- Building an interactive HTML and Chart.js dashboard to communicate inventory restocking and marketing budget recommendations for Q4 planning.

Extern, TruBridge Aug 2026 - Oct 2026
Data Analytics Extern

- Developed Python data pipelines using Pandas to clean, integrate and analyze CDC/USDA public health datasets across 2,300+ U.S. counties.
- Applied regression analysis and quantile-based risk segmentation to examine relationships between food insecurity and adult diabetes prevalence.
- Built interactive Tableau dashboards and geographic visualizations to identify high-risk counties and communicate regional health disparities.
- Presented analytical findings and data-driven outreach recommendations to TruBridge team leads, incorporating stakeholder feedback.

Software Engineering Professional Development (Hofstra University) Jun 2025 – Nov 2025

- Developed four full-stack applications using React, FastAPI, and SQL, implementing backend APIs, authentication, data validation, and error handling.

AWARDS & CERTIFICATIONS

Google Data Analytics Professional Certificate Aug 2026
NYIT Whole Health Community Datathon: Best Presentation Award March 2026

- Won Best Presentation across all competing college teams for a team-based analysis of 8,100+ NYC community proposals spanning three years, identifying geographic disparities in healthcare access, economic stability, and neighborhood conditions.
- Developed a Python data processing pipeline to parse, clean, and categorize 5,300+ proposals across three Social Determinants of Health domains, generating structured, analysis-ready Excel datasets.
- Built and deployed an interactive data storytelling website using GitHub Pages, visualizing three-year trends and neighborhood-level disparities to communicate actionable community health recommendations.

PROJECT EXPERIENCE

ROOTED – NASA Space Apps Challenge | Climate Data Engineering Oct 2026 - Present

- Collaborating in a 3-member team to develop a climate-resilient crop rotation decision-support application integrating NASA Earth observation data, soil characteristics, and farmer priorities.
- Developing Python data ingestion and transformation workflows using NASA POWER API, Pandas, and NumPy to retrieve, clean, and structure historical temperature and precipitation datasets.

Google Capstone: Cyclistic Bike-Share Data Analysis Aug 2026

- Analyzed 5.8M+ bike-share records using Python to identify rider cohort behavior and membership conversion opportunities; built a Tableau dashboard and proposed 3 targeted marketing strategies to convert high-duration casual riders into annual members.

TECHNICAL SKILLS

- **Programming & Libraries:** Python (Pandas, NumPy, SKLearn, Matplotlib, Seaborn), SQL, Java, JavaScript
- **Databases & Platforms:** MySQL, SQLite, Microsoft SQL Server, BigQuery, MongoDB
- **Data Analytics & Visualization:** Tableau, Excel (PivotTables, VLOOKUP), Data Cleaning, Regression Analysis, Data Transformation
- **Data Engineering:** Data Cleaning, Data Transformation, Data Integration, Relational Database Design, Data Validation
- **Developer Tools:** Git, GitHub, Jupyter Notebook, Google Colab, FastAPI, HTML, CSS