

# Grace Lewis

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## EDUCATION

**The University of Utah**, Salt Lake City, UT, United States

May 2026

Master of Science, Computer Science

CGPA 3.7

- Coursework: Graduate Algorithms, Visualization for Data Science, Human Computer Interaction, Manage Data for and with Machine Learning, Operating Systems, Visualization for Scientific Data, Computer Architecture, Artificial Intelligence, and Sports Analytics.

**University of Mumbai**, Mumbai, MH, India

May 2024

Bachelor of Engineering, Computer Engineering (Honors in Data Science)

CGPA 3.8

## SKILLS

**Languages:** Python, SQL, R, C#, C++, JavaScript

**Databases & Storage:** SQL Server Management Studio, PostgreSQL, Azure Blob Storage

**Data Engineering & ETL:** SSIS, Apache Spark, Power Automate, ETL pipelining

**Visualization & Analytics:** Power BI, Tableau, D3.js, Matplotlib, ParaView, Microsoft Excel

**Tools & Platforms:** Git, Visual Studio, Jupyter Notebook, AWS, Docker

## EXPERIENCE

**Utah Transit Authority**, Salt Lake City, UT, United States

May 2025 - Present

**Data Engineer Intern**

- Build and maintain SSIS ETL pipelines to integrate, clean, and transform data from Azure, servers, and files into SQL Server.
- Write T-SQL stored procedures and C# scripts to automate workflows and ensure data quality.
- Develop Power BI and SSRS dashboards using DAX to visualize performance and operational insights.
- Automate processes with Python scripts, Power Automate flows, and document models with ERDs.

**ITECH Digital Forensics**, Mumbai, MH, India

June 2022 - August 2022

**Project Engineer Intern**

- Migrated legacy website infrastructure to AWS, reducing load time by 15% and improving overall site reliability.
- Developed a responsive e-commerce platform using HTML, CSS, and JavaScript to showcase and streamline access to company products.
- Enhanced front-end performance and cross-browser compatibility, resulting in a smoother and more consistent user experience.

## PROJECTS

**Lyft Reconnect Data Pipeline**, Utah Transit Authority

September 2025 - October 2025

Tools Used: SSIS, SQL Server, C#

- Built a secure ETL pipeline to automate daily Lyft ride data imports using public/private key authentication.
- Designed SSIS workflows with dynamic file handling and C# scripting to parse and validate incoming data.
- Loaded and transformed records in SQL Server for reporting and operational analysis across departments

**Integrated Hybrid Cleaning System Using MLNs**, University of Utah

January 2025 - April 2025

Tools Used: Python, SQL, PostgreSQL, MLNs

- Developed a hybrid data cleaning system combining rule-based preprocessing with probabilistic inference using MLNs.
- Automated error detection and repair on messy datasets using a Python and SQL pipeline with a PostgreSQL backend.
- Accepted user-defined MLN rules and queries to drive the inference process for data cleaning.
- Evaluated system performance using precision, recall, and F1-score against existing baseline cleaning approaches.

## PUBLICATIONS

**S. Rebello, S. Sunil, G. Lewis, and S. Shaikh**, "FortiShare: A Predictive Cloud File Sharing System for Detecting Intrusions," 2023 6th International Conference on Advances in Science and Technology (ICAST), Mumbai, India, 2023, pp. 405–410.

DOI: [10.1109/ICAST59062.2023.10454961](https://doi.org/10.1109/ICAST59062.2023.10454961)

## LEADERSHIP & VOLUNTEERING

- Women in Computing - Graduate Officer | Women's Club Basketball at the U - Member | ESPN College GameDay - Production Volunteer | ACM - Advisor, Secretary & Admin Head | Student Council - Sports Secretary | Student Athlete (U of Mumbai) - Basketball | Teknack - Game Development Mentor | IEEE GRSS - STEM Event Organizer | Girls4Impact - Python Tutor