

# Grace Lewis

Salt Lake City | +1-385-297-1503 | [gracelewis0202@gmail.com](mailto:gracelewis0202@gmail.com) | Work Authorization: F-1 Visa  
[linkedin.com/in/gracelewiss](https://www.linkedin.com/in/gracelewiss)

---

## EDUCATION

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

May 2026

*Masters of Science, Computer Science*

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

**University of Mumbai**, Mumbai, India

May 2024

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

CGPA 3.78

## TECHNICAL SKILLS

**Data Analysis:** Python, SQL, R, MongoDB

**Data Visualization:** Power BI, Tableau

**Web Development:** HTML, CSS, JavaScript, PHP

**Other:** Microsoft Office, AutoCAD, Microsoft Azure, Amazon Web Services

## PROFESSIONAL EXPERIENCE

**ITECH Digital Forensics**, Mumbai, India

June 2022 – August 2022

*Project Development Engineer Intern*

- Resolved technical issues and enhanced website responsiveness, leading to a more seamless and user-friendly browsing experience.
- Created a user-friendly E-Commerce website using HTML, CSS, and Bootstrap to display and sell the company's products, automating the order processing system.
- Assisted in migrating the existing website to AWS, ensuring a seamless transition with a 15% improvement in load times and increased site reliability.

## ACADEMIC PROJECT EXPERIENCE

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

January 2025 – Present

Tools Used: Python, Java, HTML, Jupyter Notebook, Tuffy

- Developing a hybrid data cleaning framework that combines rule-based and probabilistic methods using Markov Logic Networks via Tuffy.
- Designing a data error detection and repair module, currently being evaluated using the Titanic dataset.
- Integrating UI and preprocessing components using Dataprep into a unified, scalable data-cleaning system.

**Job Data Visualization**, University of Utah

August 2024 – December 2024

Tools Used: D3.js, JavaScript, HTML, CSS, Python

- Analyzed job market data across industries and states, aligning it with University of Utah student academic profiles.
- Built interactive visualizations to identify job saturation, salary trends, and regional opportunities.
- Enabled dynamic filtering by major, industry, location, and academic year to support data-driven career exploration.

**FortiShare: A Predictive Cloud File Sharing System for Detecting Intrusions**, Mumbai University

July 2023 – May 2024

Tools Used: MongoDB GridFS, Python, NodeJS, HTML, PHP

- Developed a cloud-based file-sharing system using AES and RSA encryption, enhancing data security.
- Optimized encryption results with image encryption time as low as 0.128 seconds ranging up to 13.125 seconds for videos in GB, enhancing data security without compromising speed.
- Implemented vulnerability detection and threat prediction using Convolutional Neural Networks (CNN), detecting XSS attacks with an accuracy of 98.5%.

## 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)