# Sejal V. Patel

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## EDUCATION

**University of Texas at Dallas**                                                        Richardson, TX
*College of Natural Sciences and Mathematics*                              Expected May 2026
- B.S. Data Science
- Minor in Business Administration
- Relevant Coursework: Discrete Structures; Intro to Data Analytics; Database Systems; Linear Algebra

## RESEARCH EXPERIENCE & PROJECTS

**IntelliSys Lab**                                                              October 2022 – June 2023
*Research Assistant*
- Attend weekly group meetings discussing Federated Learning and cloud computing topics.
- Work with testing code to recognize vulnerabilities in Machine Learning and implement solutions.
- Delivered a series of presentations showcasing the results of analysis of research papers and the code.

**Personal Portfolio Website**                                                        Summer 2023
- Designed and built a dynamic personal portfolio website from scratch using HTML, CSS, and JavaScript, providing an interactive platform for presenting my achievements, skills, and projects.
- Prioritized user experience by creating an intuitive and aesthetically pleasing design with a responsive layout, ensuring seamless access and navigation across various devices and screen sizes.

**Recipe Generator Website – "Pekan Pi"**                                          Fall 2022
- Designed and implemented an online pantry system, enabling users to add ingredients with quantities and units for efficient recipe organization.
- Developed a recipe recommendation algorithm that suggests recipes based on the ingredients in the user's pantry, enhancing user engagement.
- Collaborated with team members to resolve bugs, ensuring a smooth and error-free user experience.

## WORK EXPERIENCE

**American Weekend Entertainment, Inc.**                              May 2023 – February 2024
*Webmaster Intern*
- Monitoring and repairing backend issues for musicdaily.com & aweinc.tv
- Assigning credentials for new users and updating plug-ins as needed
- Maintaining best SEO practices for web categories and pages
- Researching and securing backlinks to websites

**Law Enforcement Enterprise Portal (LEEP)**                          February 2023 – May 2023
*Technical Support Operator*
- Provided technical assistance to law enforcement officials, troubleshooting issues and resolving technical problems to ensure smooth operation of their account portal
- Responded promptly to emails and calls, addressing concerns and providing effective solutions

## CERTIFICATION

**Google Data Analytics Professional Certificate**                                    In Progress
*Coursera*
- Skills in data collection, interpretation, and communication for effective presentation to stakeholders
- Proficient in data visualization, cleaning, and manipulation using tools such as SQL and Tableau

## EXTRACURRICULARS

**DFW Alliance of Technology and Women Member**                      January 2024 – Present
**Transfer Mentor Program**                                          September 2023  – Present

## SKILLS

**Technical**: SQL, R/RStudio, JavaScript, HTML, CSS, Java, React, MATLAB, GitHub, Microsoft Office, Research
**Languages:** English (Fluent), Gujrati (Intermediate)