

# Sai Siri Chittineni

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## EDUCATION

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**University of Texas at San Antonio** | San Antonio, TX

**Graduated: December 2025**

*B.S. in Computer Science, Minor in Business Administration*

**Honors and awards:** SDS Undergraduate Research Fellowship, Dean Scholar (2x), Honors roll (3x), President List (2x)

**Relevant Courses:** Data Structures, Application Programming, Data Science, Artificial Intelligence, and Cloud Computing

## EXPERIENCE

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**Software Developer Intern**

**Jan. 2025 - Present**

*Web Surfing Studios*

*Remote*

- Designed and implemented backend features using **C#, ASP.NET MVC, and SQL** Server supporting production workloads.
- Improved system performance by **30%+** through profiling queries, optimizing indexes, and refactoring data access layers.
- Automated CI/CD workflows using **Docker and Azure DevOps**, increasing deployment reliability and reducing manual errors.
- Diagnosed and resolved **20+ production issues**, decreasing average incident resolution time by 35%.
- Contributed to **40+ pull requests**, improving code modularity, testability, and long-term maintainability.

**Undergraduate Research Assistant**

**Aug. 2024 - Sep. 2025**

*CARE AI lab*

*San Antonio, TX*

- Engineered scalable Python pipelines processing **20K+ medical records**, ensuring data correctness and reproducibility.
- Reduced labeling inconsistencies by **25%** by implementing automated validation and normalization checks.
- Improved pipeline runtime efficiency by **35%** through optimizing preprocessing logic and removing redundancies.
- Designed and executed **10+ controlled experiments** to evaluate model bias and subgroup performance disparities.
- Accelerated experimental iteration cycles by **40%** by automating dataset validation and evaluation workflows.

## PROJECTS

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**Quantifying Representation Bias in LLMs** | Python, Regex, GPT-4

**Jan. - Aug. 2025**

- Built Python pipelines over **20K+ medical records**, applying regression and time-series analysis to detect demographic bias in LLM outputs.
- Deployed Dockerized experiments and validated subgroup disparities using statistical hypothesis testing.

**PawsInn** | ASP.NET MVC, C#, Entity Framework, MySQL

**Jan. - April 2025**

- Built a full-stack **ASP.NET MVC** reservation system handling 100+ monthly bookings, reducing scheduling errors by **30%**.
- Designed scalable **MySQL** schemas and automated workflows using Entity Framework

**GitHub Wrapped** | Python, GitHub API, Data Visualization

**Dec. 2025**

- Processed **1K+ GitHub** activity events per user across 10–20 repositories to generate personalized year-in-review analytics
- Produced visual summaries cutting manual GitHub activity review by **~70%**, turning raw metrics into story-driven insights.

## CERTIFICATIONS

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**AWS Certified Cloud Practitioner (CLF-CO2)**

**Exp: Sep. 2027**

- Knowledge of AWS core services (EC2, S3, RDS, Lambda), security, monitoring, pricing, and shared responsibility model.

## TECHNICAL SKILLS

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**Languages:** Python, C#, Java, JavaScript, SQL, HTML/CSS

**Frameworks:** React, ASP.NET MVC, REST APIs

**Databases:** PostgreSQL, MySQL, SQL Server, MongoDB

**DevOps & Cloud:** Docker, Azure DevOps, Git, CI/CD, AWS, Azure

**Tools:** GitHub API, Statistical Hypothesis Testing, Data Visualization, Microservices Architecture.

**Practices:** Data analysis, system reliability, performance optimization, System design, debugging production issues, Agile/SCRUM