

Sai Siri Chittineni

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EDUCATION

University of Texas at San Antonio | San Antonio, TX

Expected Graduation: 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 (1x)

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

EXPERIENCE

Software Developer Intern

Jan. 2025 - Present

Web Surfing Studios

Remote

- Designed and implemented backend services in ASP.NET MVC, C#, and SQL, enabling seamless data communication across 5+ enterprise modules and improving system stability by 30%.
- Designed secure data pipelines and modular backend components following thread-safety and memory management best practices.
- Automated CI/CD pipelines using Docker and Azure DevOps, reducing deployment errors by 40%.
- Collaborated with cross-functional teams to debug system-level issues across backend and integration layers.

Undergraduate Research Assistant

Aug. 2024 - Present

CARE AI lab

San Antonio, TX

- Built Python-based LLM pipelines integrating GPT-4 and LangChain to evaluate robustness and model bias.
- Optimized data handling for 20K+ records, improving performance of complex data operations using memory-efficient multiprocessing techniques.
- Designed scalable microservices and integrated lightweight monitoring tools for secure execution and reproducibility.
- Collaborated on system-level research tools combining AI and secure API integration, enhancing model reliability by 18%.

Academic Tutor

Aug. 2023 - Present

UTSA Academic Support Programs

San Antonio, TX

- Tutored 7+ CS courses (Data Structures, Algorithms, OOP, Operating Systems), raising pass rates 35% and improving exam scores by 60+ points.

PROJECTS

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

Jan. - Aug. 2025

- Engineered data pipelines for 20K+ medical records, applying time-series and regression analysis to uncover model bias.
- Deployed as a Dockerized microservice, enabling reproducible experiments across multiple ML runs.
- Detected systematic disparities across subgroups (gender, race, age), validating results through statistical hypothesis testing.

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

Jan. - April 2025

- Built a full-stack reservation app managing 100+ monthly bookings, cutting scheduling errors by 30%.
- Designed scalable ERDs and MySQL models with Entity Framework for automated reservation workflows.
- Delivered responsive booking UI in C# MVC, improving efficiency and customer experience.

Scrape 'n' Taste Chicago | Pandas, Matplotlib, Beautiful Soup

June 2024

- Automated scraping of 70+ Yelp restaurants (500+ entries), cutting manual work by 40%.
- Analyzed and visualized pricing vs. ratings trends, uncovering key market insights.

TECHNICAL SKILLS

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

Frameworks & Tools: ASP.NET MVC, React, Flask, Docker, Azure DevOps, Git, REST APIs, Jenkins

Databases: PostgreSQL, MySQL, SQL Server, MongoDB

Cloud & Infrastructure: AWS, Azure, CI/CD, Microservices, Terraform (basic)

Core Competencies: Debugging, Unit Testing, Database Design, API Development, Agile SDLC, System Integration