

Siri Gayatri Chodavarapu

Texas, TX-75075 | sirigayatri16@gmail.com | +1-(945)-253-0424 | Portfolio | LinkedIn

Education

University of North Texas , MS in Computer Science	Aug 2024 – May 2026
• GPA: 4.0/4.0	
Andhra University, Bachelor's in Computer Science Engineering	Aug 2020 – May 2024

Internships

Full-Stack Developer Intern, Evoke Technologies Inc., Hyderabad	June 2023 - Aug 2023
<ul style="list-style-type: none">Developed and tested over 10 RESTful APIs using .NET Core 6, ensuring robust and efficient communication between application components.Designed and implemented the front end of the "Product Registration Web Application" using Angular 16, enhancing user interface performance and responsiveness by 20%Conducted unit testing with 95% coverage, ensuring high-quality, maintainable code aligned with project goals	
Intern, Evoke Technologies Inc, Hyderabad	Sept 2022 - Nov 2022
<ul style="list-style-type: none">Led data analysis and Built a machine learning model for the "AI-Based Check Mark Detection on Handwritten (Filled) Forms" project, achieving 90% accuracy in detection.Integrated OpenCV and PY Tesseract OCR for seamless image processing and text recognition.Delivered a proof-of-concept in 8 weeks, showcasing scalable AI-based solutions for document verification tasks.Collaborated with a cross-functional team to streamline workflows and improve project turnaround by 15%.	

Projects

Retrieval-Augmented Generation (RAG) Assistant for Q&A on PDF Files	Nov 2024 - Jan 2025
<ul style="list-style-type: none">Constructed a RAG-based Q&A system for answering questions from PDF documents, integrating vector stores and embeddings to retrieve relevant information efficiently, improving response accuracy by 40%.Utilized Python, Lang Chain, OpenAI GPT models, and Chroma to design the system, handling over 1000 PDF documents with an average retrieval time of less than 5 seconds Designed a user-friendly interface with Stream lit to enhance accessibility	
Amazon Reviews Sentiment Analysis	Sept 2024 - Nov 2024
<ul style="list-style-type: none">Built a sentiment analysis system for Amazon product reviews using AWS EMR, Hive, and machine learning models, achieving 94% accuracy with LSTM in classifying reviews as positive, negative, or neutral.Processed and analyzed over 30K reviews using Amazon S3 and Hadoop (via EMR), improving query efficiency and scalability by 50x compared to traditional methods.Deployed an LSTM model on AWS SageMaker as an API endpoint, enabling real-time sentiment analysis with a response time under 500ms and monitored performance using AWS CloudWatch.	

Skills

Programming & Development: Python, C#, .NET, JavaScript, R, HTML, CSS, Angular, ASP.NET, Django, Git, GitHub.

AI/ML & Data Technologies: OpenAI, Lang Chain, GenAI, OpenCV, Chroma, Machine Learning, MySQL, Tableau

Certifications: Azure Fundamentals by Microsoft (AZ-900), Machine Learning in Python by Smart Kowner, Azure AI Fundamentals by Microsoft, AWS Cloud Practitioner by Amazon.