CHANDRA SAI REDDY

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Technical Skills

- **Cloud platforms**: AWS (EC2, S3, Lambda, ECS, VPC, RDS, EKS)

- **CI/CD And Automation**: GitLab CI, GitHub Actions, Jenkins

- **Containers & Orchestration**: Docker, Kubernetes

- **Monitoring & Logging**: CloudWatch, Splunk

- **Scripting & Programming** : Python, YML, Bash

- **Infrastructure as Code (IaC)**: Terraform,CloudFormation

- **Operating system and Databases** : Linux, MySQL, DynamoDB

- **Security & Compliance**: IAM, Encryption, Security Groups, Vulnerability Scanning

- **Financial Management & Operations**: FinOps (Certified FinOps Practitioner)

Work Experience

Machine Learning and Cloud Engineer (AWS)
MORSE Studio - Georgia State University

September 2024 – Present
Atlanta, USA

- Engineered and deployed a **low-cost, multi-modal data processing pipeline on AWS**, reducing the **total cost of ownership by over 80%** compared to existing solutions, to perform **real-time analysis** and automate **umpiring decisions**.
- Enhanced **system scalability** by improving **resource utilization by 25%** through **containerizing lightweight AI models** for deployment on **Amazon ECS**, avoiding the need for costly broadcast equipment.
- Optimized **system performance** to achieve a **94% decision accuracy rate**, by orchestrating the **video, audio, and RAG pipelines** using **AWS Step Functions** to consistently make accurate calls for **LBW, boundaries, no-balls, and wides**.

Salesforce DevOps Engineer
Onsite

April 2022 – June 2022
Hyderabad, India

- Accelerated **deployment frequency** by **streamlining the release pipeline**, **reducing manual errors by 30%**, by automating workflows for over **20 custom Apex classes and triggers**.
- Administered and customized **developer environments** using **Salesforce DX** and **VS Code**, **accelerating team development timelines by 35%** through standardized configuration.
- Managed the **Salesforce application lifecycle**, facilitating **continuous integration** by deploying **Lightning Web Components** across sandboxes using the **Salesforce CLI** and **Git**.

Projects

MLOps and Cloud Engineering for Cancer Classification (Patent Published No - 202441089264)

- Engineered a **scalable data pipeline** to preprocess and manage a **large-scale dataset** with over **20,531 gene features** and **801 samples**, ensuring **data integrity** and availability for a **machine learning workflow**.
- Automated the **model development lifecycle** using a **CI/CD-like approach**, which enabled the team to rapidly train, test, and deploy multiple **RNN architectures** to achieve a **100% classification accuracy**.
- Directed **model optimization** and **resource efficiency** by methodically tuning **hyperparameters**, resulting in a **50% reduction in neuron count** while maintaining **peak performance**, thereby reducing **computational overhead**.

Customer Review Sentiment Analysis (Winner – Hack SRM 2023)

- Spearheaded the **development and deployment** of a **Natural Language Processing (NLP) model**, analyzing over **50,000 customer reviews** and achieving an **85% accuracy rate** in sentiment classification.
- Leveraged **actionable insights** from the model to inform **strategic product enhancements**, driving a **15% increase in customer satisfaction** across key product lines.

Education

Georgia State University
Master's in Computer Science

May 2026
Atlanta, Georgia, USA

SRM University - AP
Bachelor of Science in Computer Science

April 2024
Vijayawada, AP, India

Leadership / Achievements

- Served as **Convener** of the University's **Technical Events Team**, boosting **student engagement** by 40% through strategic **committee formation** and large-scale **web initiatives**.
- Elevated the technical capabilities of **15+ junior developers** as a **Board Member** of the **APP Design and Development Club**, driving a **60% improvement** in coding skills through tailored **workshops** and hands-on code reviews.