

CHANDRA SAI REDDY

☎ +1 (678) 615 0897 | ✉ donthireddy.chandu@gmail.com | 🌐 ChandraSaiDonthireddy | 📱 Chandrasai | 🌐 chandrasai

Technical Skills

- **Languages / Database / Os** : Python, C++, Java, YML, My SQL, DynamoDB, Linux, Bash
- **Tools Technologies/Frameworks**: Git, Gitlab, GitHub CI/CD, Terraform, Jenkins, React.js, Node.js, Next.js, Flask
- **AI / ML**: TensorFlow, PyTorch, LangChain, OpenAI API, Vector Databases, Hugging Face, RAG , Computer Vision
- **Cloud / DevOps**: AWS (EC2, S3,Lambda,ECS,VPC,RDS,EKS), GCP, Docker, Kubernetes, Prometheus
- **Concepts**: System Design, Distributed Systems, Machine Learning, API Development, Cloud Computing, FinOps

Education

Georgia State University <i>Master's in Computer Science</i>	August 2024 – May 2026 <i>Atlanta, Georgia, USA</i>
SRM University - AP <i>Bachelor of Science in Computer Science</i>	October 2020 – May 2024 <i>Vijayawada, India</i>

Work Experience

Machine Learning and Robotics Engineer <i>MORSE Studio - Georgia State University</i>	September 2024 – Present <i>Atlanta, USA</i>
<ul style="list-style-type: none">• Achieved 73% real-time accuracy in automating umpiring tasks (LBW, no-balls, wides, boundary checks) by designing a multi-modal decision framework with deep learning models.• Improved robustness of decision-making under diverse match conditions (lighting, ball speeds, player dynamics) by leading end-to-end testing, validation, and team collaboration.	
Software Development Engineer <i>DSA - SRM University - AP</i>	August 2023 – May 2024 <i>Vijayawada, India</i>
<ul style="list-style-type: none">• Reduced grievance resolution time by 60% for 10,000+ students by developing an NLP-powered chatbot with real-time data integration.• Improved chatbot response accuracy by 43% by applying advanced NLP techniques (tokenization, part-of-speech tagging).	
Salesforce Developer <i>Onsite</i>	April 2022 – June 2022 <i>Hyderabad, India</i>
<ul style="list-style-type: none">• Increased user productivity by 10% and reduced system errors by 30% by implementing 20+ custom Apex classes, triggers, and Lightning Web Components (LWC).• Accelerated development timelines by 35% by streamlining VS Code setups and customizing development environments.	

Projects

Cancer Classification on Gene Expression Data Using RNN (Patent Published No - 202441089264)
<ul style="list-style-type: none">• Collaborated with a cross-functional team to develop and implement Recurrent Neural Networks (RNN), including LSTM and GRU models, to process and analyze gene expression data for cancer classification.• Directed model optimization efforts, enhancing architectures by fine-tuning layers and neurons, resulting in a 90% improvement in model accuracy.
Customer Review Sentiment Analysis (Winner – Hack SRM 2023)
<ul style="list-style-type: none">• Developed a machine learning pipeline to analyze 50,000+ customer reviews, leveraging advanced NLP models to classify sentiment with 85% accuracy.• Delivered actionable insights from sentiment trends that directly informed product strategy, leading to a measurable 15% increase in customer satisfaction.

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.