

SIDDHI GALADA

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Education

University of Southern California

Master of Science in Computer Science

Los Angeles, CA

Aug 2024 – May 2026 (*Expected*)

Sir MVIT

Bachelor of Engineering in Computer Science and Engineering, CGPA: 9.09/10

Bengaluru, India

Dec 2020 – Jul 2024

Technical Skills

Languages: Python, Java, Go, C++, JavaScript, TypeScript, SQL, C, R

Frameworks/Tools: React, Node.js, Flask, PyTorch, Hugging Face, TensorFlow, LangChain, GitHub Actions

Cloud/DevOps: AWS (EC2, EKS), Docker, Kubernetes, Linux

Databases: PostgreSQL, MongoDB, DynamoDB, MySQL

Experience

Suki.ai

Software Engineering Intern

Redwood City, CA

Jun 2025 – Aug 2025

- Designed and developed **SimEHR**, a simulated EMR platform replicating Epic/Cerner APIs, enabling 100% internal testing coverage and reducing reliance on external sandboxes.
- Implemented React/TypeScript CRUD for FHIR resources (Patient, Appointment, Practitioner), improving scenario setup time by **3x**.
- Built Go microservices for API routing, request transformation, and data workflows, supporting **10+** EMR integration scenarios.
- Automated containerized test environments (Docker/Kubernetes), cutting manual QA effort by **80%** and improving release reliability.
- Co-developed automated REST API tests and CI workflows (GitHub Actions), reducing integration defects by **30%**.

Varcons Technologies Pvt Ltd

Software Engineering Intern – NLP Systems

Bengaluru, India

Aug 2023 – Oct 2023

- Built an ETL pipeline in Python to clean/normalize COVID-19 Twitter data, improving NLP workflow efficiency by **30%**.
- Refactored sentiment analysis modules for modular experimentation and reproducibility across multiple classifiers/visualizations.
- Fine-tuned a BERT-based classifier (Hugging Face), achieving **89%** validation accuracy on domain-specific data.

Projects

Ticket Helper — LLM-Powered Support Assistant

Python, LangChain, FAISS, RAG, OpenAI API

Los Angeles, CA

Jul 2025 – Aug 2025

- Built a Retrieval-Augmented Generation chatbot using FAISS and LangChain for ticket resolution, reducing lookup time by **65%**.
- Achieved **87% precision** on labeled ticket sets with semantic retrieval + prompt orchestration pipelines.

Secure Decentralized Audit System for EHR

Python, Flask, Blockchain, Cryptography, RBAC

Los Angeles, CA

Mar 2025 – Apr 2025

- Developed a blockchain-based audit log with Merkle trees ensuring tamper-evidence and non-repudiation.
- Integrated RBAC + asymmetric cryptography into a Flask web UI, improving session security by **100%**.

Genetic Disorder Prediction

Python, PyTorch, ML Pipeline

Bengaluru, India

Jan 2024 – May 2024

- Engineered a classifier on DNA microarray data (7,070 features), reaching **94.7% accuracy**.
- Applied dimensionality reduction + stratified CV on 1,000+ samples, cutting misclassification by **15%**.

Leadership

Member, Women Who Code

Community Engagement

Global (Remote)

Feb 2020 – Present

- Organized networking events for **100+** women in technology, building mentorship pipelines and increasing job placements by **25%**.