

Thikkavarapu Sanhith

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Career Objective

Computer Science undergraduate with production experience in building secure REST APIs, NLP pipelines, and cloud-deployed AI systems. Interned at Nunc Systems, delivering transformer-based models at scale. Looking to apply full-stack engineering skills to financial technology infrastructure.

Education

Saveetha School of Engineering

BE in Computer Science

- CGPA: 8.8/10
- **Coursework:** Data Structures & Algorithms, Database Management Systems, Operating Systems, Object-Oriented Programming, Computer Architecture

Technical Skills

Programming: Java, Python, SQL

Frameworks & Libraries: PyTorch, FastAPI, HuggingFace Transformers, Scikit-learn, Redis.

Cloud & DevOps: AWS (EC2, S3, SageMaker, Lambda), Docker, Kubernetes, MLflow, CI/CD.

Visualization: Tableau, Power BI.

Tools: Git, Jupyter, VS Code, PostgreSQL.

Internship

Data Science Intern

Nunc Systems

Hyderabad, India

Aug 2025-Dec 2025

- Designed an NLP pipeline to detect duplicate question pairs using fine-tuned BERT on a 400K+ record dataset, achieving 90% accuracy. Diagnosed and resolved model performance issues, reducing false-positive rate by 25%.
- Followed Agile sprint methodology with weekly code reviews and automated CI/CD checks, maintaining clean commit history and peer-reviewed pull requests on GitHub, reducing manual validation effort across sprint cycles.

Projects

Real-Time Intelligent Summarization Platform

github.com/sanhith30/summarization-platform

- Deployed a secure FastAPI REST API with Redis caching and JWT authentication, reducing response time by 65% and maintaining 99% uptime while serving 500+ concurrent users.
- Built a transformer-based pipeline (BART, Pegasus, T5) with 80%+ pytest coverage and collaborated with a team of 3 on code reviews and integration testing.
- **Tools:** PyTorch, HuggingFace Transformers, FastAPI, React, Redis, Docker, NLTK, Scikit-learn

RideSense AI — Uber Analytics & Business Intelligence Dashboard

github.com/sanhith30/RideSense

- Analyzed 1M+ ride records using a structured EDA pipeline and built a PostgreSQL schema enabling sub-second query performance.
- Delivered 6 interactive visualizations, including demand heatmaps and revenue trends.
- **Tools:** Python, Pandas, NumPy, Plotly, Data Visualization, EDA, Dashboards, Business Analytics

Smart Research Copilot — AI Assistant System

github.com/sanhith30/sm

- Built an AI-powered research copilot to assist users in exploring, summarizing, and extracting insights from technical documents and research materials.
- Implemented intelligent text processing and information retrieval pipelines to enable context-aware responses.
- **Tools:** Python, NLP, Transformers, Information Retrieval, AI Pipelines

Certifications

Oracle Database SQL Certified Specialist — Oracle

Jun 2024

[View Certificate](#)

Google Cloud Data Analytics Certificate — Google Cloud

Jun 2025

[View Certificate](#)

Oracle Certified Data Science Professional — Oracle

Oct 2025

[View Certificate](#)

Salesforce Certified Agentforce Specialist — Salesforce

Dec 2025

[View Certificate](#)

Activities and Interests

- **Hackathons:** Participated in 2 National Level Hackathons and Conducted Hackathons in college.
- **Leadership & Operations:** Organized college-level hackathon for participants; experienced in cross-functional team coordination.
- **Competitive Programming:** Regularly practice DSA on LeetCode and HackerRank.
- **Soft Skills:** Leadership, Problem Solving, Public Speaking, Time Management