

# Gokul Sree Chandra Polavarapu

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## EDUCATION

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- **Gandhi Institute of Technology and Management (GITAM)** Visakhapatnam, India  
*Bachelor of Technology in Computer Science and Engineering (3rd Year)* August 2023 - Present

## TECHNICAL SKILLS

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- **Programming Languages** Python, SQL (MySQL, SQLite) – Joins, Subqueries, Window Functions, Indexing, Query Optimization.
- **Libraries/Frameworks** PyTorch, Scikit-learn, Numpy, Pandas (Data Cleaning), NLTK, Sentence Transformers, Flask, Matplotlib, Seaborn.
- **Machine Learning** Supervised Learning (Linear/Logistic Regression), Regularization (L1 & L2), Feature Engineering, Linear Algebra, Probability, Statistics, Data Preprocessing (Normalization, Standardization, Missing Data Handling).
- **Deep Learning** Transformer Architecture, Encoder - Decoder , Fine-Tuning, Sampling Strategies, Neural network architectures, activation functions, loss functions, optimization using PyTorch.
- **Natural Language Processing** Tokenization, Bag of Words, TF-IDF, Stemming, Lemmatization using NLTK, Sentence Transformers (Embedding Generation) , Fine-Tuning.

## EXPERIENCE

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- **Young Compete - Technical Internship (Full Time)** July 2024 - January 2025  
*Head Of Operations* Remote, India
  - Developed 3+ tech projects, including Prof Connect, enabling streamlined networking for 1,500+ students and teachers.
  - Automated data scraping from 5 sources for the off-campus placements page, utilizing APIs, and improved access rate by 30%.
  - Led a team of 10 members to deliver technical solutions , focusing on engagement and community building.

## PROJECTS

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- **1. Sentiment Analysis on IMDB Dataset using Transfer Learning**
  - Utilized the pre-trained Sentence-Transformer model ([all-MiniLM-L6-v2](#)) to generate sentence embeddings and built a fully connected neural network classifier in PyTorch to predict sentiment labels (positive/negative).
  - Processed 50,000 reviews from the IMDB dataset and achieved 80.24% accuracy on the test set, demonstrating the effectiveness of transfer learning in sentiment classification.
  - Technologies used: Python, PyTorch, Sentence-Transformers.
  - **Live Demo:** [Streamlit App](#) — GitHub: [Repo](#)
- **2. SkillCheck – AI-Based Skills Evaluator:**
  - Developed a Flask-based web application utilizing Groq API to evaluate user skills and improve learning outcomes.
  - Integrated a Large Language Model (LLM) via Groq API, providing personalized AI-driven feedback that enabled learners to check where they went wrong , 100% of the time and correct their errors.
  - Used Flask for backend, Pandas for data preprocessing, and Groq API for LLM integration.
  - [GitHub Link](#) [Demo Video](#)

## CO-CURRICULAR ACTIVITIES

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- Participated in GDG (Google Developer Group) WOW 2025 Hackathon — built backend API for “Mama – Mind,” an AI app for pregnant women with ChatGPT support.
- Organized 6+ ”GAAC-MasterClasses” for Gitam Aero Astro Club (affiliated with MIT, Boston), achieving 60+ attendees per session, focusing on technical education and aerospace topics.
- Competed in national-level events like IIT Kanpur’s Techkriti (Maneuver Bot, Astro Quiz) and ISRO’s Bharatiya Antariksh Hackathon (Lunar Crater Locator), among 50+ teams.
- Secured 2 nd place in the hackathon CODEX (for my SkillCheck Project) conducted by Young Compete.

CERTIFICATIONS (CLICK FOR VERIFICATION) MORE ON MY PORTFOLIO - [GokulAIx](#)

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[Databases and SQL for Data Science – IBM](#) | [Introduction To Fine-Tuning – The LLM Course – Hugging Face](#) | [Introduction to Transformer-Based Natural Language Processing – Nvidia](#)