

Sameer Shaik

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Career Objective

Enthusiastic **Computer Science** undergraduate at **RGUKT Ongole** with a strong foundation in software development, data science, and problem-solving. Eager to contribute technical expertise, creativity, and innovative, impactful solutions to real-world projects while continuously learning and growing in the field of technology.

Education

IIT Madras - *[Dual Degree]* Sep 2023 – Present
BS in Data Science and Applications - *[CGPA: 8.0/10]*

Rajiv Gandhi University of Knowledge Technologies, Ongole Oct 2022 – Present
BTech in Computer Science and Engineering - *[CGPA: 8.7/10.0]*


Rajiv Gandhi University of Knowledge Technologies, Ongole Jan 2021 – Sep 2022
Pre University Course - *[CGPA: 9.3/10.0]*

Internship


SWE, Artificial Intelligence Intern - *[Infosys]* Oct 2024 - Dec 2024

- Strengthened **problem-solving** and analytical abilities by applying advanced NLP techniques using industry-standard tools, frameworks, and libraries under professional mentorship to deliver high-quality results.
- Demonstrated strong **adaptability** and **time management** through effective remote collaboration work.
- Enhanced **professional communication** and coordination skills by actively contributing to **discussions**, **code reviews**, and **milestone planning**, ensuring smooth team collaboration throughout the project.

Projects

SmartLot – Parking System Management Application [SmartLot](#) 

- Developed a **Flask-based web application** with user authentication and admin controls for managing parking lots, slots, and registered users data, while ensuring data integrity and smooth system operations.
- Implemented **real-time parking workflows**, enabling users to book available slots, accurately record entry/exit timings, auto-generate billing, and prevent double-booking conflicts for seamless daily operations.
- Designed **interactive dashboards** for both users and admins to track slot occupancy, monitor active sessions, analyze total revenue, and generate insights using Charts and SQLite for better operational decisions.
- Tech Stacks:** Python, Flask, SQLite, HTML, CSS, Bootstarp

AI-Based Text Summarization Tool [Summarizer App](#) 

- Built an end-to-end **NLP summarization system** integrating **extractive models and abstractive models** (T5, BART) and **advanced techniques** (LLM, MapReduce, Refine) to handle text efficiently.
- Evaluated the performance of the model using **ROUGE scores**, and implemented dynamic model selection logic, significantly improving summary relevance and length consistency by **25%** across varied content.
- Designed and deployed a **Gradio-based interface** with real-time model switching and **customizable summary length**, greatly enhancing usability and accessibility for both technical and non-technical users.
- Tech Stacks:** Python, Gemini Flash API, LangChain, Gradio, NLTK

Technical Skills

Languages: Python, SQL, HTML, CSS

Frameworks and Libraries: Linux/Unix Commands, Flask, Numpy, Pandas, Scikit-Learn

Core Competencies: Data Structures & Algorithms (DSA), Machine Learning, DBMS, Data Science

Management and Soft Skills: Growth Mindset, Active Listening, Problem-solving, Handling priority tasks