

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	
○ 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, Bootstrap	

AI-Based Text Summarization Tool	
○ 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