Shyam Charan Reddy Karra

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SKILLS

- **Languages:** C++, Java, Python, HTML, CSS, JS
- **Frameworks:** Bootstrap, Tailwind CSS, React, Vue
- **Tools/Platforms:** Leet Code, Geeks for geeks, GitHub, Excel, Windows, VS Code
- **Skills:** Problem-Solving, Leadership, Logical Reasoning and Quantitative Aptitude, Resource Management, Adaptability, Effective Planning, Database Optimization, System design

PROJECTS

Interactive Meme Editor & Generator   Jan 2025

1. Designed and developed a responsive Single Page Application (SPA) to facilitate seamless meme creation, managing cross-component state and data persistence via dynamic routing and URL parameters.

2. Implemented interactive canvas manipulation using react-draggable for coordinate-based text positioning and integrated html2canvas to rasterize DOM elements into downloadable high-quality image files.

3. Integrated the Imgflip REST API to fetch and randomize 100+ global templates asynchronously, while engineering a custom upload feature using File Blobs for instant client-side previews. Tech: ReactJS, Tailwind CSS, Firebase, Imgflip API.

Machine Reading Comprehension (MRC) for Reviews

1. Engineered an automated Natural Language Processing (NLP) pipeline using Python and NLTK to clean, tokenize, and normalize large datasets of raw customer reviews for efficient machine reading.

2. Implemented and trained machine learning models VADER, Roberta to classify text polarity, successfully categorizing feedback into positive, negative, and neutral sentiments with high accuracy.

3. Designed comprehensive data visualizations using Matplotlib and Pandas to extract actionable business insights, identifying key performance drivers and recurring product issues from unstructured text.

CERTIFICATES

- Summer Training in Full Stack | Lovely Professional University   July 2025

- Build Generative AI Apps and Solutions with No-Code Tools | Infosys SpringBoard   September 2025

- ChatGPT-4 Prompt Engineering: ChatGPT, Generative AI & LLM | Infosys SpringBoard   October 2025

ACHIEVEMENTS

- Secured a 5-Star Badge in C++ on Hacker Rank by solving diverse algorithmic challenges across varying difficulties. Demonstrated mastery of Data Structures and STL by engineering solutions optimized for time and space complexity.

EDUCATION

Lovely Professional University   Punjab, India
Bachelor of Technology - Computer Science and Engineering;   *Since October 2023*

Sri Chaitanya Junior College   Telangana, India
*Intermediate; **Percentage: 96.4%***   *April 2020 - March 2022*

Sri Chaitanya High School   Telangana, India
*Matriculation; **CGPA: 10***   *April 2019 - March 2020*