THORLAPATI MOUNIKA

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CARRER OBJECTIVE

Passionate front-end developer with expertise in React.js and TypeScript, aiming to build responsive, scalable, and high-performance customer-facing applications. Eager to collaborate with cross-functional teams, implement efficient state management solutions, and deliver clean, maintainable code while staying updated with industry trends and best practices. Committed to continuous learning and contributing to innovative software solutions

EDUCATION

Sree Vahini Institute of Science and Technology	2021 - 2025
Bachelor of Technology in computer science and engineering	CGPA:7.92/10

TECHNICAL SKILLS

- **Frontend Programming Language**: HTML, CSS, Java script ,Bootstrap
- **Backend Programming Language:** Python, SQL
- **Database**:   MYSQL
- **Tools**:   Git, Github,Vscode
- **Common skills**:   Word, excel, Ms office, power point

PROJECT

Image caption generator using cnn and lstm

•Built a deep learning model integrating CNN for image feature extraction and LSTM for caption generation using the Flicker 8K DATASET(8,000+ images).

•Achieved 75% BLEU score in caption evaluation, demonstrating high-quality, context-aware descriptions.

•Pre processed over 8,000 images and 40,000 captions, including resizing, text cleaning, and vocabulary generation with tokenizer.

•Implemented the full pipeline using TensorFlow, Keras , Flask, and OpenCV; developed a web interface for real-time image captioning.

•Trained model for 10 Epoches, resulting in significantly improved semantic relevance between generated captions and image content.

•Addressed vanishing gradient issues in RNNs using LSTM, increasing training stability and accuracy.

•Optimized performance to generate captions in under 5 seconds per image, enhancing usability for visually impaired users.

INTERNSHIPS

GEN AI PROMPT ENGINEERING INTERNSHIP - EDUBOT 2025

•Automated prompt testing and API integration using Python and Google colab.

•Applied advanced prompting techniques like zero-shot, few-shot, and chain-of-thought to improve AI output quality.

•Used Git and GitHub for version control and documentation of prompt experiments.

JAVA FULL STACK WEB APPLICATION DEVELOPMENT INTERSHIP – 2024

•Developed full-stack web applications using Java, Spring Boot, JSP/Servlets, and React.js with database integration via Hibernate and MySQL.

•Created responsive frontend interfaces with HTML, CSS, JavaScript, handling session management, form validation, and API integration.

•Used Git for version control and followed MVC architecture to build scalable and maintainable applications.

CERTIFICATIONS

- certification on Nptel: Design & implementation of human-computer interfaces
- Got Done a certification on introduction to Python in Sololearn

SOFT SKILLS

- Time management
- Completing the work within the deadline
- Leadership quality
- Adaptability & Learning mindset
- creativity