

MOGALAPU VIGNESH RAHUL

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Skills

Computer Languages - C, Java, Python

Markup Languages - HTML, CSS

Tools and Softwares - Power BI, Tableau

Cloud Platform - AWS

CS Fundamentals - Data Structures, Algorithms, OOPs, Database Management System

Projects

Image Caption Generator using CNN and LSTM

May-25

- Developed an image captioning model combining ResNet-50 for feature-extraction and LSTM for natural language generation. Preprocessed and cleaned datasets, integrated GloVe embeddings, and implemented word-to-index mapping for efficient training
- Trained the model to generate contextually rich and accurate captions, leveraging multimodal AI techniques. Evaluated model performance using BLEU scores, achieving coherent and relevant descriptions for diverse-image inputs.
- Enhanced accessibility and advanced multimodal AI applications, showcasing innovation in deep learning
- and NLP integration.

Tech Stack - Python, Flask, Scikit, Deep Learning

College Social Explorer USING PHP AND MYSQL

sep-24

- Designed a web-based social networking platform using PHP and MySQL to enhance communication
- between students and faculty. Implemented modules for study material sharing, quizzes, event management, and discussion forums for collaborative learning.
- Integrated secure login systems, personalized dashboards, and real-time chat features for a seamless user experience. Developed an admin control panel for managing courses, timetables, results, and user accounts effectively. Focused on scalability and future-proofing, with provisions for mobile application integration and multi-college connectivity.
- Tech stack - PHP AND MYSQL

Education

- **DR MGR EDUCATIONAL AND RESEARCH INSTITUTE, Chennai, India 2021 - 2025**
- Branch: Computer Science engineering in Data science and artificial intelligence | CGPA: 8.4
- **Board of Intermediate Education April 2019 – May 2021**
- **Sasi vellivenu Tanuku, Andhra Pradesh Marks:918**
- **Board of Secondary Education June 2018 – May 2019**
- **Sasi English Medium High School Tadepalligudem, Andhra Pradesh CGPA:9.3**

Positions of Responsibility

Techastra | Event Head coordinators Members

sep'23

- **Bug Quest (event planner) :-** It is about the coding event to solve bugs in the given code
- Taking ownership: Taking responsibility for tasks and projects
- Learning from mistakes: Accepting constructive feedback and learning from mistakes

certification

- Introduction to Python, IBM Career Education Program – 2022.
- Business Intelligence, IBM Career Education Program – 2023.
- Workshop on Angular JS – 2023.