



K Rushyendra Sujith Kumar

B.Tech - CSE - (DS & AI)



Objective

To leverage my expertise in data science, artificial intelligence, and computer vision to drive innovative solutions in predictive maintenance, object detection, and digital twin technologies. Seeking to contribute to cutting-edge research and development, while pursuing a master's degree in Data Science and AI to further enhance my skills and knowledge. My goal is to deliver impactful projects, publish in reputed journals, and excel in roles requiring a strong foundation in deep learning, automation, and data-driven problem-solving.

Internship

Data Visualization Intern

JAN 2024 - JULY 2024 - MyClassBoard

- Developed interactive dashboards for educational clients, focusing on data-driven insights to support school operations.
- Collaborated with clients to understand reporting needs and translate them into clear visualizations.
- Enhanced data interpretation and decision-making processes through effective visual analytics.

Projects

T5 and BART Model Training and Evaluation

- Trained, fine-tuned, and evaluated T5 and BART models for data summarization tasks.
- Improved performance through advanced pretraining and fine-tuning methodologies.
- Tech Stack: Python, Hugging Face, T5, BART.

Underwater Coral Detection and Segmentation

- Detected and segmented individual corals using object detection and segmentation techniques.
- Implemented tracking algorithms to monitor corals across frames.
- Tech Stack: Python, YOLO, U-Net, DeepLabv3+, OpenCV.

Fake Review Detection System

- Identified fraudulent reviews on e-commerce platforms using web scraping and NLP.
- Trained machine learning models for classification and deployed a fully functional system.
- Tech Stack: Python, BeautifulSoup, NLP, Scikit-learn.

Chatbot Project with Llama2 and Streamlit

- Built a conversational chatbot with Llama2 for natural language processing.
- Developed an interactive and user-friendly interface using Streamlit.
- Tech Stack: Python, Llama2, Streamlit.

High-End Image Registration and Authentication

- Enhanced image registration accuracy through feature extraction and machine learning techniques.
- Achieved precise alignment between images with significant feature loss using OpenCV.
- Tech Stack: OpenCV, Python, Machine Learning.

Certification

- Coursera - 2022 | Data Analysis with Python
- Coursera - 2022 | Introduction to Data Engineering
- Coursera - 2023 | Python for Data Science, AI & Development
- Coursera - 2023 | AWS Fundamentals
- Coursera - 2023 | Social Media Data Analytics
- Hackerrank - 2024 | Software Engineering Intern

Publication

Research: Fake Review Detection - An Unsupervised Approach

Fake Review Detection is a Project where we have system which is website neutral and can work on any website with reviews. This work has been published on springer nature through ISBM 2024.

Contact

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<https://github.com/sujithkumar2003>

Academics

Woxsen University | Hyderabad - 2.84/4.0
2021 - 2025 | Artificial Intelligence and Data Science

Excellencia Junior College - 76%
2019 - 2021 | Intermediate

Sadhu Vaswani International School - 81%
2011 - 2019 | School

Technical Skills

- Programming Languages: Python, Java
- Data Analytics and Visualisation
- Machine Learning and Deep Learning
- Computer Vision
- Database Management
- Natural Language Processing
- Object Oriented Programming
- Neural Networks

Tools

- Pandas and numpy
- Matplotlib and Seaborn
- Scikit-learn, Tensorflow and Keras
- SQL and MongoDB
- OpenCV
- NLTK, SpaCy and HuggingFace Transformers

Languages

- English - Fluent
- Telugu - Fluent
- Hindi - Fluent

Professional Skills

- Leadership
- Team Management
- Planning and Coordination
- Problem solving