Kranthi Kumar Mutyalapalli - Data Scientist

⚲ Bangalore ☏ +91 6303580722 ✉ kranthimutyalapalli596@gmail.com in LinkedIn ⦿ GitHub

PROFESSIONAL SUMMARY

Data science professional with 3 years of experience solving complex business problems through data analytics, machine learning and NLP projects on cloud platforms. Currently working on generative AI and computer vision applications. Proficient in building robust data science workflows that translate insights into actionable strategies.

EDUCATION

Integrated B.Tech in Electronics and Communications   April 2015 - May 2021

Rajiv Gandhi University, Nuzvid, Andrapradesh   GPA: 8.41/10

PROFESSIONAL EXPERIENCE

Data Scientist | Schneider Electric | Nov 2022 - Present |

Project: Images Enhancement System |

– Led initiatives to enhance image quality and searchability, contributing to a business value increase of 8 million euros.
– Implemented Imagededup's CNN method and hashing techniques to optimize the image database, reducing redundancy.
– Employed Brisque Technique to identify and improve low-quality images with EDSR model and categorized the content of images with help of CLIP-Interogator.

Project: Smart Bill-Of-Material Recommendations |

– Recommendation system, optimizing material selection and contributing to an annual sales impact of 30 million euros.
– Constructed a hybrid recommendation system using Information Retrieval Techniques, incorporating Feedback Enablement and Association Rules for enhanced product combination recommendations.
– Applied Latent Semantic Indexing (LSI) to identify document similarities, strengthening the recommendation system for more accurate and context-aware material suggestions.

Associate Data Scientist | 3i-Infotech Consultancy Service Limited | Oct 2021 - Nov 2022 |

Project: Suggestive Search Engine with Real-time Document Retrieval |

– Integrated an Auto-completion System into internal applications, replacing manual search and significantly saving colleagues' time in document retrieval.
– Used LSTM architecture, implemented with the PyTorch framework.
– Implemented real-time Document Retrieval by utilizing TF-IDF technique with cosine similarity, ensuring quick and precise retrieval of information corresponding to selected auto-completion suggestions.

INTERNSHIPS

Data Science Internship at Analytics Vidhya | *Jan 2021 - Sep 2021*

– Received extensive training in data science, applying skills to real-life projects under experienced guidance.

Natural Language Processing Intern at IIIT-Hyderabad | *Sep 2020 - Dec 2020*

– Conducted research on statistical language modeling on telugu data, implemented advanced probability techniques.

Machine Learning Content Developer at Appleton Innovations | *Jun 2020 - Aug 2020*

– Implemented machine learning models for 24 real-life problems. Managed the entire lifecycle, from EDA to model testing

SKILLS

Data Analytics: Excel, Power BI, SQL, Pandas, NumPy, Descriptive and Inferential Statistics

Data Science :   Python, ML Techniques,CNN, RNN, Transformers, CV, NLP, scikit-learn, Keras, PyTorch

Data Engineering: Basics of Cloud Computing, Git, AWS Sagemaker, AWS S3, Langchain

CERTIFICATIONS

Machine Learning Engineering for Production (MLOps) Specialization *Issuing Organization:* DeepLearning.AI   *April 2024*

Generative AI with Large Language Models *Issuing Organization:* Multiple Partners   *Nov 2023*

Practical Data Science on the AWS Cloud *Issuing Organization:* DeepLearning.AI   *September 2023*

Certified Natural Language Processing Master's Program *Issuing Organization:* Analytics Vidhya   *December 2022*