Kavali Kranthi Kumar

Hyderabad, Telangana • 9505530176 • kavalikranthikumar3@gmail.com
• linkedin.com/in/kavali-kranthi-kumar-aa82b5169

Machine Learning Engineer

Passionate and results-driven Product Development Engineer with a strong background in harnessing cutting-edge technologies to drive innovation in product development. With expertise in Generative AI, Machine Learning, and Natural Language Processing, I thrive in dynamic environments, turning complex challenges into innovative solutions.

SKILLS

Deep Learning, Natural Language Processing, Langchain, Kubernetes, Azure Kubernetes Service (AKS), Amazon Web Services (AWS), Generative AI, Exploratory Data Analysis, MLflow, Prompt Engineering, Rasa, Async, Product Development, Machine Learning, Jenkins, ArgoCD, FastAPI, MongoDB, ElasticSearch, Vector Databases

WORK EXPERIENCE

Phenom • Hyderabad, Telangana, India • 06/2021 - Present

Product Development Engineer-1(Machine learning)/SRE

- Development of Natural Language Understanding (NLU) Algorithms using GAI:
- Spearheaded the research and development of cutting-edge Natural Language Understanding (NLU) algorithms using GAI technology.
- Leveraged state-of-the-art techniques to enhance language comprehension and processing capabilities, enabling more accurate and context-aware responses.
- Question Answering with GAI:
- Led the implementation of a robust question-answering system, leveraging GAI for improved accuracy and efficiency.
- Designed and fine-tuned models to deliver precise responses across various domains and use cases.
- Auto-Generation of Q&A based on Career Site Data, URLs, and Files:
- Pioneered the development of an automated system to generate question-and-answer pairs by parsing and analyzing data from career sites, URLs, and files.

Machine Learning Intern

- Codebase Enhancement and Algorithm Optimization:
- Played a pivotal role in optimizing and enhancing existing machine-learning projects and algorithms.
- Collaborated with cross-functional teams to refactor codebases, improve performance, and streamline processes, resulting in increased efficiency and accuracy.

MedTourEasy • Hyderabad, Telangana, India • 04/2021 - 04/2021

Machine Learning Intern

- Acquired vital skills for a machine learning scientist role, including proficiency in Python programming for supervised, unsupervised, and deep learning. Gained expertise in data preprocessing, model training, performance assessment, and parameter tuning to excel in this field.

The Sparks Foundation • Hyderabad, Telangana, India • 04/2021 - 04/2021

Data Science and Business Analytics

- During my virtual internship at the Sparks Foundation, I conducted data analysis to extract valuable insights, developed informative dashboards, created Machine Learning models, and provided feedback and evaluation to fellow interns.

SwiftAI • Hyderabad, Telangana, India • 07/2020 - 12/2020

Computer Vision and Machine Learning engineering

- During my internships, I immersed myself in deep learning principles and explored various pre-trained models, including ResNet and VGGNet. I specialized in projects related to object classification and detection. Moreover, I became proficient in using software tools such as Spyder, Google Colab, and Jupyter Notebook to support my work.

Goalstreet • Hyderabad, Telangana, India • 05/2020 - 07/2020

Machine Learning with python

- During my internships, I acquired expertise in Python, emphasizing supervised and unsupervised machine learning algorithms. I also refined my abilities in data visualization and data cleaning techniques. As a culmination of my learning journey, I accomplished a practical project using the Turkish Student Assessment dataset.

EDUCATION

Bachelor of Technology - BTech in Electronics and Communication engineering

Vardhaman college of engineering • GPA: 8.89 • 06/2017 - 07/2021

CERTIFICATIONS

Deep Learning Specialization

Coursera

Machine Learning Scientist with Python Track

DataCamp

Data Visualization with Python

Cognitive Class

PUBLICATIONS

Iris recognition based on Gabor and Deep Convolutional Networks

IEEE • 07/2021

Effective Deep Learning approach based on VGG-Mini Architecture for Iris Recognition

Annals of the Romanian Society for Cell Biology • 05/2021