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SKILLS:

Programming Languages:

Python3, C/C++, javascript, HTML, CSS,

Generative AI:

LongChain, Hugging Face, OpenAI, LlamaIndex, Ollama, Meta, RAG, Fine-tuning, Gpt3, GPT4, llama3, falcon, cloude3, Gemini, Gemma, Groq.

Vector Database

ChromaDB, FAISS, Pinecone, LanceDB, Azure AI Search

Machine Learning Algorithms(ML):

Linear Regression, Ridge Regression, Lasso Regression, Elastic-Net-Regression, SVM, Logistic Regression, Decision Trees, Random Forest, Ada-boost, Xgboost.

Deep Learning(DL):

Artificial Neural Network, Convolution Neural Network, Recurrent Neural Network, Loss-function, Activation-function, Optimizer, Gen AI.

Computer Vision(CV):

Opencv, CNN, LeNet, AlexNet, VGGNet, ResNet, R-CNN, Fast-R-CNN, Faster-R-CNN, SSD, YOLO, GAN, Depth Map, Image Depth, Image, Image Stitching, DALLE 2, Gemini.

Natural-Language-Processing(NLP):

Tokenization, stop word, Stemming, Lemmatization, one-hot encoding, bag-of-Word, TF-IDF, Word2vec, RNN, LSTM, bi-LSTM, encoder and decoder, AttentionModel, Transformer, BERT, GPT3.

Cloud Platform(Azure,AWS):

AWS, IAM, AWS Lambda, Step-function, Amazon-Sagemaker, S3, AWS Cloud9 bucket, EC2, ECS, ECR, Amazon Kinesis, Cloud-watch, Docker, IoT, Core MQTT, Kafka, AWS-Bedrock, Azure cloud, Azure Function, Azure Automation, Azure virtual machine, Azure Storage, Azure Resource optimization, Azure Cost management, Azure Infrastructure, Design, Azure,

Machine Learning Operations(MLOps):

Git, DVC, Mlflow, CICD-Pipeline with AWS Gunicorn, Daphne, Jenkins, Github-Action, AWS CICD, MLFlow, AWS SageMaker, Microsoft Fabric, Docker.

Internet of things(IOT):

Raspberry Pi, ESP32, Arduino, MQTT, kafka.

Graphics processing unit(GPU):

Nvidia Geforce-3060, CUDA, CUDNN.

EDUCATION:

Govt Engineering College Bharatpur(RTU)
Rajasthan Technical University
B.Tech(computer science)

EXPERIENCE:

CITRIOT | Data Scientist (Jan 2021 - March 2024)

INNOWAVE | AI Engineer (April 2024 - Present)

NOTABLE PROJECTS

AI4QA | AI Engineer

AI4QA is an innovative solution designed to revolutionize the way project statuses and test executions are communicated within software development teams. Utilizing the cutting-edge capabilities of Generative Artificial Intelligence (AI), AI4QA provides real-time, detailed insights into the project's progress and quality assurance processes.

- **Key Feature:** Real-Time Updates, Predictive Analytics, Seamless Integration, Automated Reporting, Intuitive Dashboard.

- **Benefit:** Real-Time Savings, Quality Assurance, Enhanced Communication.

- **Technology:** Docker, GPT4, Azure AI Search, Azure Web App, Azure Container Registry, Langchain, Fabric.

Fireconnect | ML Engineer

Fire-connect is an all-in-one product suite that gets real-time data from the machines through IoT gateway and sensors. Fire-Connect can be connected with all types of machines-legacy or smart machines. The software application accompanying Fire-connect captures the data generated and translates it into visual insights. It also triggers alerts as and when there are deviations in the performance of the machines. The best part about the software application is that it can be accessed remotely from any location. The data collected and optimized by Fire-connect is fed to an onboard AI Engine, CogniSense. CogniSense is an AI/ML powered Analytics Engine responsible for generating deeper insights for smart factory operations. The product helps you with operations like predictive

- **Impact:** Reduction in Downtime by 92% per toolpost failure and defining the problem causing it. The fault localization was seamlessly integrated into the AI engine.

Technology: Machine learning Model, Django, AWS, ESP32

Machine Vision Intellisense | ML Engineer

Object-detection, object Tracking and object counting with help of this product we can make your machine smart and intelligent

- **Impact:** Convert your industry into a smart & connected industry

Certification:

Azure: **AZ 900**

Microsoft: **Microsoft Fabric**