AMIT NIKHADE

DATA SCIENTIST

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Wakad, Pune, Maharashtra

SKILLS

Vertex AI, Sagemaker, Mlops (MlFlow, Dockers, Kubernetes, evidently, GCP)

Langchain, Llama 2, T5, Transformers

Tensorflow, PyTorch, ONNX

Version control (Git), Github Actions

Audio processing (PyAudio , Librosa.)

ANN,CNN, RNN, Data Science, machine learning, deep learning, NLP

EDUCATION

MCA

RSCOE JSPM Institute

2020-2022

AWARDS AND RECOGNITION

- Employee of the year
- Employee of the month

ADDITIONAL INFO

- I am an AI blogger a singer and a guitarist.
- Volunteering activities: Contributing to the child's education.
- Making NGO visits.
- Hosted AI workshop for company interns to spread awareness.

SUMMARY

I firmly believe in gaining skills through hands-on experience rather than setting aside dedicated time for separate learning sessions.I am a blogger, freelancer, and an AI devotee with 2+ years of experience who likes solving real-world problems using AI and ultimately simplifying people's lives.

WORK EXPERIENCE

Data Scientist (Present) **School of inspirational leadership, Pune** Joining year 2022

- ***Created AXONA***: Developed AXONA, a business AI assistant specializing in solving complex business problems and **reducing operational efforts by 60%**. The project involved implementing multiple **machine learning and deep learning models, including Wake Word Detection, Conversational AI Models (LLMs), Audio Processing, and Generative Models**. I actively participated in deployment, monitoring, and retraining processes. AXONA's data science pipeline spanned from data collection to deployment and ongoing monitoring. Additionally, I contributed to deploying ML models on **IoT** devices like **Raspberry Pi**. The pre-launch phase concluded in February 2023, and the product is currently undergoing patent finalization.
- In **Generative AI**, I have experience fine-tuning large language models (LLMs) like **T5** and **GPT-2** from **Hugging Face**. I'm familiar with techniques like **LoRA** and **QLoRA** for improving model efficiency during fine-tuning. Additionally, I've used **VEXT** for building efficient LLM pipelines. To enhance my recent project, I explored **LangChain** for more control over prompt engineering

- ***Contributed to the Business Intelligent System (BIS)***: Enhanced the BIS by integrating AI features such as **auto-complete, sales forecasting, sentiment analysis, and prompt engineering**. **These additions significantly reduced the time required for analyzing business insights by 80%.** The BIS now presents dashboards with easily understandable content, facilitating better decision-making.

- Client Projects Involvement: Collaborated on various client projects, including Chatbots and Machine Learning applications. My responsibilities included, conducting field visits to understand unique challenges faced by clients. Identifying appropriate AI solutions tailored to their specific needs. Implementing these solutions to streamline processes and enhance efficiency. Creating comprehensive documentation, delivering project presentations, and explaining the developed solutions.

- AI Hiring System: Developed a web application for hiring that leverages AI and automation. **This system reduces hiring process time by 70%**, benefiting both recruiters and candidates.

Freelance ML Engineer

2021

A Client from United kingdom

- I successfully developed a License Plate Detection system using YOLO v3. Initially, the total loss was 0.064920, but through optimization efforts, I managed to reduce it to an impressive 0.0372. As a result, the system now provides accurate license plate detection results.

Deep learning Internship

2020

Madras scientific research center

- I undertook a project focused on detecting lymph node cancer, specifically addressing the challenges associated with **multispectral** images and the time-consuming issue of **overfitting** that further got solved after trying a lot of different techniques.