Jatin Gogia

+91 9811973764 | jatingogia011@gmail.com | [LinkedIn](#)

Profile

Machine learning engineer with 2.5+ years of hands-on experience in building and deploying production models. Known for having innovative solutions and expertise across several domains like Generative AI, Natural Language Processing, Computer Vision, etc.

Education

Master of Operational Research | 2020 - 2022 | Hindu College, DU | 8.20 (CGPA)

B.Sc. (Hons) Statistics | 2017 - 2020 | Ramjas College, DU | 7.88 (CGPA

Experience

Machine Learning Engineer | Klearnow.AI | June 2022 – Present

- Implemented a classification model using ensemble of LayoutLM and **LSTM** with **Word2Vec** embeddings, achieving an **accuracy of 99%**.

- Implemented Retrieval-Augmented Generation (**RAG**), leveraging **Llama2**, to extract key-value pairs from documents efficiently.

- Developed an email classifier using **DistilBERT** to predict whether emails should be archived, achieving a **90% overall accuracy**.

- Smart Integration of third party LLMs like GPT-4o, GPT-4 Vision, Gemini and Document AI into our ecosystem.

- Created a **one-shot learning-based** solution using Mistral **LLM** with Quantization for extracting Invoice data from the documents.

- Leveraged **text similarity** techniques, data augmentation and data scraping, to create an HTS Code Classifier.

- Developed a **chatbot** using RAG, **Langchain** and Chroma **Vector DB** and OpenAI API to enable document-based **Conversational AI.**

- Implemented an Object Detection system using the **Detectron2** framework with **Faster-RCNN**, achieving a mAP of 0.85 for precise table detection.

Machine Learning Intern | Klearnow.AI | August 2021 – March 2022

- Performed **Exploratory Data Analysis** on the shipment data and designed a model to get the best source for estimating the arrival time for a particular shipment.

- Automated the creation of Invoices using Python and Excel.

- Created a rule-based classifier to categorize the mails based on subject, email body and the attachments.

- Developed a **ResNet-50** based image classification model in **PyTorch** to classify products in shipment images for accurate customs and duty declarations, achieving **95% validation accuracy**.

Skills & Abilities

- Python
- Deep Learning
- PyTorch
- Transformers
- Machine Learning
- Generative AI
- Large Language Models (LLMs)
- Natural Language Processing (NLP)
- Computer Vision
- Amazon Web Services (AWS)
- Problem Solving
- MySQL
- MongoDB
- C
- Kubernetes
- Pandas
- Scikit-Learn
- Hugging Face
- Communication
- Teamwork
- Azure
- Text Classification
- LangChain
- GCP
- Object Detection
- Data Structures
- TensorFlow
- R
- Jenkins
- Long Short-Term Memory (LSTM)
- Keras (Neural Network Library)
- Numpy