

Rajashekar VT

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SUMMARY

Seasoned Machine Learning Engineer with over **one year** of expertise steering projects through the entire ML lifecycle. Specialized in end-to-end ML processes and proficient in cutting-edge technologies, including Vector Databases, LLMs, AWS, Docker, and RestAPIs. I will be available for full-time employment (40-hour work week).

SKILLS

Machine Learning Technologies

PyTorch, TensorFlow, Keras, WandB, HuggingFace LLMs, OpenAI, Pinecone, ChromaDB, LlamaIndex, Langchain

DevOps And Backend Tools

AWS Lambda, API Gateway, EC2, ECR, RDS, Docker, Django, FastAPI, Flask, Redis,

Programming Languages and Databases

Python, Java, C, SQL, NoSQL

EXPERIENCE

FutureSmartAI | Machine Learning Intern

Bengaluru, India | **01.2023 - Present**

- Collaborated with offshore teams to build a prototype that can prove they could automate the most time-consuming tasks in medical billing companies.
- Implemented Vector Databases, OCR, GPT-4 based solutions to handle problems such as document text extraction, document type identification, entity recognition, object detection and finally integrated them all together with Kareo API which can handle billing tasks for American Medical billing companies.
- After successfully building prototype integrated the solution into the offshore team's platform codebase adhering to software design patterns and principles with excellent communication through Jira and Slack.
- Developed GPT-3.5/4 Based Chatbot APIs for E-Commerce Companies to automate processes such as creating, fetching sales order, creating support tickets and other time-consuming tasks such as fetching product information through Magento API.
- Utilized an In-memory database like Redis to act as a caching solution for retrieving past conversations and employed time-efficient methodologies, resulting in enhanced chatbot response times and enhancing customer experience.

EDUCATION

Global Academy Of Technology | Bachelor of Computer Science

Bengaluru, India | **12.2020 – 07.2024**

- Cumulative CGPA: 8.7/10.0

PROJECTS

Document Entity Extractor

Built an interface that takes pdf/image input, extracts text using AWS Textract, Identify document type using Pinecone and finally extract the entities from document using GPT3.5

Fine-Tuned LLaMA2 Model for NL2SQL Applications

Applied 4-bit quantization to fine-tune Meta's LLaMa2 Model for NL2SQL tasks which achieved commendable results on a single RTX 3070 GPU, which aided in converting natural language to SQL queries but also query refinement