Resume

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Summary

Experienced AI Engineer with 2 years and 8 months of hands-on experience in machine learning, deep learning, NLP, and Generative AI. Proven expertise in developing cutting-edge AI-ML solutions to drive business success. Specialized in generative AI and proficient in working with Large Language Models (LLM). Passionate about enhancing customer experience and improving operations through innovative artificial intelligence applications. I am eager to collaborate with a dynamic team to leverage my skills in creating advanced and impactful solutions for AI.

Skills

- **Large Language Models:** GPT-3, GPT 3.5 turbo, Davinci-003, text-embedding-ada-002, LLama 7B, LLama 13B, GPT-2, Gemini pro, LoRA, PEFT, QLoRA, RAG.

- **Large Language model Frameworks:** Langchain, langsmith, ollama, LCEL (Langchain expression language)

- **NLP Libraries and Frameworks:** NLTK, spaCy, Gensim, CoreNLP, TensorFlow, PyTorch.

- **Machine Learning Algorithms:** Linear Regression, Logistic Regression, Random Forest, Decision Trees, Gradient Boosting, Naive Bayes, KNN.

- **Deep Learning Algorithms:** Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Long Short-Term Memory (LSTM), Transformers, BERT.

- **Data Processing Tools:** Pandas, NumPy, pyplot, seaborn, Scikit-learn, pyspark.

- **Cloud Platforms:** Amazon Web Services (AWS) lambda, AWS Connect, AWS Transcribe, AWS S3, vertex AI, model garden Vertex AI, Google Cloud function, Google bucket.

- **Database Systems:** SQL, MySQL, SQL-alchemy, vector databases (ChromaDb, Pinecone).

- **Tools/IDE:** Vs-code, Pycharm, Jupyter Notebook (on local and on server instance), google-collab, GCP workbench, vertex ai, AWS sagemaker, Google colab enterprise, Google bucket, Google function.

- **Software Engineering Practices:** Git, Agile Development, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), DevOps.

- **Version Controller:** Git-lab, DVC, Ml-flow.

- **Programming Languages:** Python, SQL, R.

- **OS:** Windows, Linux (Ubuntu)

Professional Experience

Videoverse – **AI Engineer** (June 2024 - Present)

- Developed a solution for extracting highlights and best scenes from TV series for big clients like Zee and Sony using Langchain, Gemini Flash, and Google services.

- Worked on Videoverse's product Magnifi to enhance content discovery and viewer engagement through advanced AI solutions.

Codiant A Yash Technologies Companies, Indore – **NLP Engineer** (Jan 2022 - May 2024)

- Leveraged OpenAI's APIs and Prompt engineering with Langchain to drive LLM-based responses across multiple projects.

- Developed Prompts and implemented prompt engineering using LangChain for a social media platform.

- Worked on an exciting text analytics project, utilizing Large Language Models (LLM), prompt engineering, and Langchain to extract valuable insights and enhance communication analysis efficiency.

- Developed generative AI-based solutions for the medical SOAP notes app.

- Trained a custom language model on AWS to transcribe services in an On-demand service marketplace website.

- Leveraged GPT‑4 for profound conversational insights and improved team communication, while also utilizing GPT‑2's text-generation capabilities to create tailored job descriptions for enhanced hiring processes and attracting top‑tier talent.

- Fine-tuned the GPT-2 medium, and GPT-2 distill model to generate job descriptions from job titles.

- Developed Document-based Question Answering using GPT‑3.5/Roberta to fetch aircraft details from a bunch of documents.

- Developed and optimized AI-generated text prompts for various applications, focusing on accuracy and relevance. Collaborated with product development as a Generative AI subject matter expert, contributing to the creation of scalable, resilient, and ethical AI solutions.

- Applied prompt engineering best practices to reduce hallucinations and enhance response accuracy.

- Conducted specialized training and fine-tuning of SpaCy models to classify document files and extract entities from documents.

- Devised a scoring system based on cosine similarity using text feature embeddings to evaluate the suitability of resumes in alignment with job descriptions within a SAAS-based platform.

- Oversaw data gathering pipeline for continuous collection of training datasets for machine learning models.

- Collaborated with cross-functional teams to design and implement solutions, meeting project requirements and delivering high-quality results within tight timelines.

- Exhibited robust analytical and problem-solving acumen, coupled with exceptional attention to detail, to effectively tackle intricate NLP challenges.

- Had experience with OpenCV and some other modules for Computer Vision tasks.

Education

DAVV, Indore—**Masters in Data Science & Analytics** (2020-22)

Dr. A.P.J. Abdul Kalam University— **Bachelors Of Computer Applications** (2017-20)

Courses & Certifications:

- Machine Learning & Deep Learning By I-neuron

- Hands-on Machine Learning with AWS and NVIDIA