Kishan Patel

AI/ML Engineer | linkedin.com/in/kishan-s-patel

kishanpatel6770@gmail.com |+91 8140208917| Ahmedabad Gujarat, INDIA

PROFESSIONAL EXPERIENCE

NEXGITS PRIVATE LIMITED   **AHMEDABAD GUJARAT, INDIA**

AI-ML ENGINEER   **JUN 2022 – PRESENT**

- Developed and deployed advanced Generative AI models, including Azure-OpenAI's GPT-3.5 Turbo and GPT-4.0, driving innovation in AI-based solutions.
- Engineered scalable solutions for bulk data processing, utilizing Python libraries like Pandas and NumPy to efficiently handle and transform large datasets into vectorized formats.
- Integrated custom-built AI models with Azure cloud services, enhancing application capabilities and ensuring seamless deployment.

Led the development of a Personalized Chatbot using OpenAI's RAG model:

- Spearheaded the data collection process from the company website, optimizing the data for training purposes.
- Designed and implemented a semantic matching system, improving response accuracy.
- Improved chatbot interactions to provide a better user experience, leading to positive feedback **Pioneered the Wine Label Detection and Classification project:**
- Orchestrated data collection and labeling, resulting in a robust dataset for model training.
- Trained and deployed TensorFlow models for real-time wine label detection and classification, improving detection accuracy by 80%.

Developed a Microsoft Teams Call Analysis system:

- Integrated AWS Transcribe and Textract services, automating transcription and text extraction processes.
- Created a custom NER model using SpaCy, extracting relevant entities for deeper analysis and reporting.
- Implemented daily automation scripts using Django Crontab, reducing manual effort by 70%.

Engineered a multi-Agent Chatbot using Langchain:

- Designed a multi-agent chatbot capable of answering user queries related to the client's application, interacting seamlessly with SQL databases.
- Integrated real-time data visualization from the client's master table, improving data accessibility and decision-making.
- Developed a feature that allows the chatbot to directly send emails to the support team when users face issues, streamlining the support process.

Local Chatbot with Llama.cpp, GPT4All

- Process diverse file formats (PDF, DOCX, TXT).
- Use Hugging Face models for embeddings and semantic search.
- Integrate local models for accurate, context-aware responses.
- Fine-tune Hugging Face models for domain-specific performance.

EDUCATION

Sal Engineering and Technical Institute   **Ahmedabad, Gujarat**

Bachelors in Computer Engineering   *2018-2022*

TECHNICAL SKILLS

- Technical Skills: Python, JavaScript, HTML, CSS
- Framework & Libraries: Django, Flask, Keras, TensorFlow, Scikit-Learn, NumPy, Pandas, Matplotlib, Langchain, Selenium, Beautifulsoup4
- Tools: PyCharm, Visual studio, Spyder, Jupiter notebook, Google Colab

ADDITIONAL INFORMATION

- Adept at identifying and resolving complex issues through innovative solutions and critical thinking.
- Proven ability to work effectively in team environments, contributing to collaborative projects and driving successful outcomes.
- Committed to ongoing professional development and staying current with industry trends and advancements.