Harshada Pande

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Result-driven graduate with 2.8+ years of work exp. seeking full-time roles in Data Science, AI and Generative AI

EDUCATION

CDAC ACTS, Pune, *PG-Diploma in Artificial Intelligence* | Pune, India   percentage : 78%   April 2022
Government College of Engineering, *BE in Electrical Engineering* | Chandrapur, India   GPA: 9.98 / 10   April 2021

EXPERIENCE

Eviden, *Data Scientist (LLM, NLP, STT, TTS, ASR)* | Pune, India   April 2023 - Present
- Implemented finance bots and campaigns using Microsoft Azure AI and Yellow.ai, reaching over 5 crore users across India
- Created user stories for a finance bot tailored to specific rural and urban areas, incorporating language and offering specifications.
- Integrated LLMs into chatbot implementation, optimizing response accuracy by 20% and boosting user satisfaction
- Increased revenue by 100 crores by implementing a bot used by over 2 crore users.
- Conducted workshops for clients, enhancing their understanding and use of product solutions.
- Designed and deployed a healthcare routing solution with generative AI and Google Maps APIs, reducing nurse travel time by 30%.

Atos Syntel, *Data Scientist* | Pune, India   July 2022 - April 2023
- Developed intelligent document processing using Azure Cognitive Services and Generative AI, reducing manual handling by 40%.
- Led a team of 4 data science professionals to develop a document-handling pipeline, reducing manual efforts by 70%.
- Created a tailored pipeline for AutoCAD data extraction in 2k+ page documents, improving extraction accuracy by 40%.

PROJECTS

Real-time voice Bot – *azure AI, python, WebSocket API*   Nov 2024 - Jan 2025
- Built a real-time voice bot using Azure GPT-4o API for finance, enabling human-like interactions, transcript generation, and interruption handling, reducing query resolution time by 25%.
- Integrated WebRTC with Azure Realtime API for low-latency "speech in, speech out" interactions, improving response time by 30% and enhancing user satisfaction.

Retrieval Augmented Generation using SLM - *python, azure AI api, huggingface, Gradio*   April 2024 - April 2024
- Implemented RAG using Phi-2 model. Set up PDF reader, input prompts, and integrated Microsoft Phi-2 model.
- Utilized custom embeddings and vector store index for retrieval augmentation. Integrated user-friendly chatbot via Gradio.

Speaker Diarization using Pyannote and whisper – *Python, HunggingFace, azure AI*   March 2024 - April 2023
- Developed speaker diarization using Pyannote for segmentation and Whisper for ASR, enhancing transcription accuracy.
- Streamlined workflows with automated speaker identification, improving efficiency and precision in multi-speaker transcription.

Chat-log Analyzer *Python, azure AI*   Nov 2023 - Nov 2023
- Spearheaded a solution utilizing the GPT-4 API, which involves sending transcripts in text files to GPT-4 along with a system prompt and chat for analysis. Then, converted the response into CSV format for further use.

SKILLS

Languages	Python, SQL, JavaScript, C, C++, LaTeX
Libraries	Pandas, NumPy, scikit-learn, TensorFlow, Keras, PyTorch, NLTK, spaCy, OpenCV, Pyannote, Whisper, whisperX, Hugging Face, Seaborn, MatplotLib, GraphQL
AI	Prompt Engineering, Langchain, Hyper parameter tuning, RAGs, ASR, STT, TTS Language Models, Regression, Classification, Clustering, PCA, Stemming, Lemmatization, Tokenization, Data Augmentation, LLMs(Phi-2, Phi-3, GPT-4, GPT-4o, NVIDIA Nemotron, Llama.cpp), FewShot learning, Natural language understanding, Object Detection, CNN, BERT, LSTM, YOLO, OCR, Neural Networks, Data Analysis
Frameworks	PowerBI, Git, Docker, Flask, Django, RESTful API, Gradio, FastAPI, Postman, Azure AI Language Studio, Azure SQL, MLOps, CI/CD, jenkins, Linux, Cuda, CuDNN, Render, JIRA, MLFlow, AWS SageMaker
Soft Skills	Problem-solving, Documentation, Engaging Presentation, Leadership, On-site coordination.

Achievements

Accolade Bronze Award '24	Eviden, India, 2024
Spot Recognition Award '23	Eviden, India, 2023
Accolade Silver Award '23	Atos, India, 2023