Nishant Goel

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Education

Gautam Buddha University, MSc in Computer Science. *CGPA- 7.6*	Aug 2023 – Jun 2025
Guru Gobind Singh Indraprastha University, BCA *CGPA – 6.98*	Aug 2018 – Jul 2021

Technologies & Skills

Language : Python, MySQL, C++

Frameworks & Tools: Hugging Face Transformers, Streamlit, Fast API, PyTorch, SentencePiece, Git, Flask, Langchain, Machine Learning, Deep Learning, Computer Vision, Gen AI

Experience

Data Science , Unicloud labs Pvt. Ltd, Noida   Jan 2025 – May 2024

- Achieved a 75% reduction in response time for a generative AI-based QA and MCQ pipeline by architecting a predictive caching mechanism for frequently accessed documents and prompts.
- Refactored internal chat data architecture to enable efficient metadata extraction and parsing, while maintaining full backward compatibility for legacy retrieval systems.
- Applied strong skills in Python, data engineering, and performance profiling, with hands-on use of Pandas, Regex to optimize AI application pipelines.

Python Developer, Codsoft, Virtual   Aug 2023 – Jan 2024

- Built Python-based apps like a To-Do List and Password Generator using OOP and GUI/CLI tools such as Tkinter and Reparse for better usability and maintainability.
- Tools Technologies: Python, Tkinter, File I/O, OOP, CLI tools

Projects

Multilingual Translator with mBART-50 [GitHub]

- Developed an AI-powered multilingual translation system using Facebook's mBART-50 model, with advanced support for named entity recognition (NER), code-mixed language handling, and context-aware translation.
- Applied key machine learning techniques for model fine-tuning and optimized inference latency using Hugging Face Transformers, Sentence Piece tokenization, and Streamlit for interactive deployment.
- Demonstrated strong skills in NLP, deep learning, and real-world AI application development, with a focus on scalable and production-ready ML systems.

AI-Powered Multilingual QA and MCQ Generator with Llama & Mistral 7B [GitHub]

- Developed a Fast API-based web application for automated question-answering and MCQ generation using The Bloke/Mistral-7B-Instruct-v0.1-GGUF via Hugging Face.
- Leveraged LangChain for prompt chaining, PDF processing with PyPDF2 and LangChain loaders, and document summarization workflows.
- Integrated HTML-to-PDF conversion using Report Lab and xhtml2pdf for exporting AI-generated content into structured reports.

Additional Information

Language : English, Hindi

Certification: Data Science Master Course from Coding Blocks, Fundamental of Agents from Hugging Face