Gurleen Kaur Bali

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Education

Guru Gobind Singh Indraprastha University — 2022 – 2025
Bachelor of Computer Applications — CGPA: 9.50

S.S. Mota Singh Sr. Sec. Model School — 2010 – 2022
Class XII (CBSE) — Percentage: 94.4%
Class X (CBSE) — Percentage: 89%

Skills

Languages: Python, C, C++
Frameworks and libraries: Django, LangChain, Transformer

Technologies: ML, NLP, AI
Technical Knowledge: Software Engineering

Tools: Power BI, Excel, Tableau, Hugging Face, Github

Projects

Article Summarization using NLP and Seq2Seq Model — Article Summarization
– Engineered an NLP pipeline that preprocessed 4,500+ articles using tokenization, lemmatization, and stopword removal, boosting model training efficiency
– Trained a Seq2Seq model using Hugging Face Transformers on Google Colab GPU

Sales Dashboard using Tableau — Dashboard
– Designed and developed an interactive Tableau dashboard to visualize and analyze key sales insights for a hardware product company, driving data-driven decision-making and strategic planning.
– Analyzed regional sales data to identify top-performing regions, contributing to increase overall visibility for under performing territories.

Personal Chatbot using FAISS and SentenceTransformer — Chatbot Link | Live Demo
– Developed a personalized chatbot using FAISS (Facebook AI Similarity Search) and the SentenceTransformer library.
– Used SentenceTransformer (all-MiniLM-L6-v2) to convert both user queries and stored prompts into vector embeddings.
– Used Streamlit to build a clean and interactive frontend interface where users can chat with the bot.

English-to-Turkish Translator with Django + HuggingFace — Translator app
– Developed an AI-powered English-to-Turkish translation web application using **Hugging Face's M2M100 model**.
– Designed a responsive and visually appealing interface with **real-time translation updates**.

Sportsperson Image Classification — Classifier
– Developed a multi-class classification model to categorize images of athletes into five distinct categories, employing advanced machine learning techniques to ensure precise and reliable predictions.
– Conducted **hyperparameter tuning** to optimize model performance, leading to significant improvements in classification accuracy and overall model efficiency.

Django MVC Web Application — Django website
– Built Django website with MVC architecture, dynamic URL routing, and Contact Us form.
– Developed a deep understanding of Django's **Model-View-Controller (MVC)** architecture

Certifications

– Career Essentials in Generative AI by Microsoft and LinkedIn: Career Essentials
– British Airways - Data Science (Forage): Data Science
– JP Morgan - Software Engineering (Forage): SE
– Generative AI Applications (IBM): Gen AI

Relevant Experience & Training

Data Science Trainee — Shape MySkills — Jul – Aug 2024
– Trained on ML classification tasks, logistic regression, and Streamlit-based deployment.
– Built and deployed a diabetes prediction web app.