

Gurleen Kaur Bali

8800362599 | gurleenkaurbali20@gmail.com | [linkedin](#) | [Github](#) | [Portfolio](#)

Education

Guru Gobind Singh Indraprastha University

Bachelor of Computer Applications

2022 – 2025

CGPA: 9.50

S.S. Mota Singh Sr. Sec. Model School

Class XII (CBSE)

2010 – 2022

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](#)
- JP Morgan - Software Engineering (Forage): [SE](#)
- Generative AI Applications (IBM): [Gen AI](#)
- British Airways - Data Science (Forage): [Data Science](#)

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.