

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

IPCheck - AI-Powered Suspicious IP Detection

[Project Link](#) | [Live Project](#)

- Developed IPCheck, an AI-powered web application for detecting suspicious IP addresses in server logs using a trained **Random Forest machine learning model** for accurate risk prediction.
- Built a backend API using FastAPI, exposing endpoints to upload **CSV server logs**, process data, and return prediction results.
- Designed a dynamic React frontend to handle user file uploads, display AI analysis results, and interactively visualize suspicious IPs on a **world map interface** for enhanced situational awareness.
- Successfully deployed the **backend on Render** and **frontend on Vercel**, configuring CORS and environment variables for secure, scalable, and reliable production hosting.

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.

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.

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**.

Article Summarization with Seq2Seq Model

[Github](#)

- Processed 4,500+ articles with metadata using **NLTK** for tokenization, lemmatization, and stopword removal.
- Trained a **Seq2Seq LSTM encoder-decoder** model on **Google Colab GPU** for abstractive summarization.
- Optimized model performance via hyperparameter tuning, improving summary readability.

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.