

# Gurleen Kaur Bali

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## Profile

**Oracle Certified Generative AI Professional** with expertise in AI, machine learning, and full stack development. Experienced in building end-to-end AI and data-driven applications and solutions. Proficient in **data analysis** and visualization using Tableau, Python, and Excel to deliver actionable business insights.

## Education

<b>Guru Gobind Singh Indraprastha University</b>	2022 – 2025
Bachelor of Computer Applications	CGPA: 9.50
<b>S.S. Mota Singh Sr. Sec. Model School</b>	2010 – 2022
Class XII (CBSE)	Percentage: 94.4%
Class X (CBSE)	Percentage: 89%

## Skills

**Programming & Data:** Python, SQL, Pandas, NumPy  
**Machine Learning & AI:** Scikit-learn, NLP (Transformers, Seq2Seq, Embeddings), Hugging Face, FAISS, RAG, LLM, LangChain  
**Data Visualization & Analytics:** Tableau, Power BI, Excel, Matplotlib

**Web Development & Deployment:** FastAPI, Streamlit, GitHub, Vercel, Render  
**Core Competencies:** Data preprocessing, Feature engineering, Model training & evaluation, Hyperparameter tuning, Software Engineering

## Projects

### IPCheck - AI-Powered Suspicious IP Detection

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

- Developed an **AI-powered full-stack security tool** that analyzed **50,000+ server log entries**, detecting high-risk IPs with a **Random Forest model** for proactive threat intelligence.
- Engineered a **FastAPI backend** for automated log ingestion, preprocessing, and real-time risk scoring.
- Designed a **React frontend** with interactive world map visualization, improving threat monitoring and security decision-making.
- Deployed backend on **Render** and frontend on **Vercel**, ensuring scalable and production-ready hosting.

### RAG Personal Chatbot using FAISS and SentenceTransformer

[Chatbot Link](#) | [Live Demo](#)

- Designed a **vector database-powered chatbot** using FAISS and SentenceTransformer (all-MiniLM-L6-v2) for semantic query matching.
- Enabled **Q&A retrieval** by converting queries and prompts into embeddings.
- Built an intuitive **Streamlit frontend**, resulting in a clean, interactive chat experience.

### Sales Dashboard using Tableau

[Dashboard](#)

- Created an **interactive Tableau dashboard** to analyze **regional sales across 5 territories**, uncovering top-performing regions and underperforming markets.
- Delivered **data-driven insights** that supported sales strategy optimization and **increased visibility for low-performing regions**.

## Certifications

### Professional Credential

- **Oracle Cloud Infrastructure Generative AI Professional**  
[Badge](#)

### Courses & Virtual Experience

- Career Essentials in Generative AI (Microsoft & LinkedIn) [Certificate](#)
- Data Science Job Simulation (British Airways – Forage) [Certificate](#)

## Experience & Training

### Data Science Trainee — Shape MySkills

Jul – Aug 2024

- Applied **ML classification algorithms** (logistic regression, decision trees) on structured datasets, achieving **85% accuracy** in health predictions.
- Gained hands-on experience in **data preprocessing, feature engineering, and model evaluation**, strengthening foundations in ML pipeline development.