

# Karan Chauhan

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## EDUCATION

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### Symbiosis Institute of Technology

*Bachelor of Technology in Artificial Intelligence and Machine Learning*

Pune, Maharashtra

*Aug. 2023 – May 2027(Expected)*

## EXPERIENCE

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### Database Management System

- \* Created SQL schemas for medal analytics in athlete datasets using MySQL Workbench.
- \* Deployed data-driven applications on Streamlit with modular Python integration.
- \* Analyzed trends in sports data, providing insights into country-wise and gender-specific performance metrics.

### Python Programming and Deployment

- \* Deployed interactive data-driven applications on Streamlit, integrating SQL query functionality with Python.
- \* Organized modular Python files for efficient project workflows and scalable implementations.

### Artificial Intelligence and Machine Learning

- \* Successfully deployed AI-powered solutions in academic projects, demonstrating a strong understanding of supervised learning and model implementation.
- \* Recognized for innovative thinking and problem-solving skills in team-based projects.
- \* Developed a project using Google APIs and AI agents with a focus on entrepreneurship.

### Hackathon

- \* Finale participant of New India Vibrant Hackathon 2023, Gujarat, showcasing AI-driven solutions addressing real-world challenges.

## PROJECTS

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- \* Financial Services Project - Developed predictive models for financial data analysis and decision-making. Designed a database schema in MySQL to manage datasets for over 500 athletes.
- \* Applied unsupervised learning for customer segmentation and anomaly detection.
- \* Contact Management Application - Built a contact management system with a user-friendly interface. Integrated MySQL database for efficient contact storage and retrieval. Deployed the application on Streamlit for easy access.
- \* Medal Analytics System - Created a database in MySQL to analyze medal counts by gender and country. Designed SQL queries for comparative analysis of gold, silver, and bronze medals and incorporated visualization techniques for insights into athlete performance.
- \* Worked on SQL agents and data preprocessing agents for exploratory data analysis (EDA) in a project involving Generative AI.

## CERTIFICATIONS

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- \* Generative AI for Everyone by DeepLearning.AI
- \* Unsupervised Learning, Recommenders, and Reinforcement Learning by DeepLearning.AI
- \* Supervised Machine Learning: Regression and Classification by DeepLearning.AI
- \* Advanced Learning Algorithms by DeepLearning.AI
- \* Design Thinking for Beginners by Simplilearn

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, SQL (Postgres), JavaScript, HTML/CSS

**Frameworks:** React, Streamlit, TensorFlow, Keras, PyTorch, LangChain, CrewAI

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, scikit-learn, XGboost, BeautifulSoup