

# DEV BHAVESHBHAI MAKWANA

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## EDUCATION

<b>Nirma University, Ahmedabad, India</b>	2021 – 2025
<i>B.Tech in Computer Science &amp; Engineering</i>	CGPA: 7.09 / 10.0
<b>Shree Zaverbhai K. Mendapara Uchcharat Madhyamik Shala</b>	2021
<i>12<sup>th</sup> Grade, GSEB</i>	93.07%

## TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, SQL
- **Machine Learning:** Deep Learning, Computer Vision, NLP (PyTorch, NLTK, Spacy), LLMs (Ollama), SFT, RLHF
- **Data Science:** Pandas, Data Analytics, Data Processing, Scikit-learn
- **Development:** Android Development, OOP, Software Development, Database Management (SQLite, Firebase)

## PROFESSIONAL EXPERIENCE

**Blink Analytics** Jan 2025 – Present  
*Machine Learning Engineer*

- Enhanced the performance of Large Language Models (LLMs) using Supervised Fine-Tuning (SFT) and Reinforcement Learning from Human Feedback (RLHF).
- Managed the end-to-end ML lifecycle, including data collection, preprocessing, and analytics.
- Developed and optimized fine-tuning scripts, model architecture, and inference pipelines.

**Launchpad AI** Oct 2024 – Dec 2024  
*Machine Learning Fellow* Remote

- Collaborated within a team to develop machine learning models for various client projects.
- Applied data analytics, NLP, and machine learning techniques to process and interpret complex datasets.

**Indian Air Force** May 2024 – Jul 2024  
*Intern* Government / Defence

- Engineered an AI-based solution for UEB, utilizing advanced NLP and Deep Learning techniques.
- Developed and tested models to [Specify the goal, e.g., "automate document analysis" or "improve prediction accuracy"].

## PROJECTS

### Question Generator System

*Technologies: Python, Deep Learning, NLP, Machine Learning, NLTK*

- Developed a system to automatically generate questions, answers, and multiple-choice options from input text.
- Implemented keyword extraction using NLP techniques to identify core concepts for question focus.
- Engineered export functionality, allowing users to save generated content as CSV or PDF files.

### StyleStack: Clothes and Laundry Management

*Technologies: Python, SQL, SQLite, Firebase, Android Development, Java*

- Architected a comprehensive clothes and laundry management system with both web and mobile clients.
- Built a user-friendly interface for digital wardrobe organization, outfit planning, and laundry scheduling.

### Text2SQL: Natural Language to SQL Query

*Technologies: Python, LLMs, Ollama, Pandas, SQLite, Streamlit*

- Built an interactive web application that converts natural language questions into executable SQL queries.
- Integrated an Ollama-based LLM to handle query translation and execution against user-uploaded CSV data.
- Implemented performance optimizations, including question caching and dynamic SQLite database creation.

## CERTIFICATIONS & ACTIVITIES

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- **Certifications:** Python (OOPs), SQL (MySQL Database), Fundamental AI Concepts
- **Leadership:** Former Member, Computer Society of India (CSI), Nirma University Chapter
- **Volunteering:** Contributed to a farmers' outreach program with NSS UPES
- **Profiles:** [LeetCode](#), [GeeksForGeeks](#), [Kaggle](#), [HuggingFace](#)