


# Saumya Babariya

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## Education

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- Pandit Deendayal Energy University** Expected May 2027  
*BTech Information and Communication Technology (CPI: 9/10)* *Gandhinagar, Gujarat*
- **Relevant Coursework:** Data Structures and Algorithms (C), DBMS, Probability and Statistics, IOT
- Mount Carmel High School** May 2021  
*Gujarat Secondary Education Board (Result: 92%)* *Gandhinagar, Gujarat*
- **Relevant Coursework:** Science, English, Mathematics, Computer Science, Hindi, Gujarati
- Mount Carmel High School** May 2023  
*Gujarat Higher Secondary Education Board (Result: 93.53%)* *Gandhinagar, Gujarat*
- **Relevant Coursework:** Physics, Chemistry, Mathematics, Computer Science, Sanskrit, English

## Projects

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- Domain-Specific Code Generation using LLMs | RAG, Hugging Face, Fine-tuned**
- Fine-tuned **Hugging Face LLMs** for domain-specific code generation using **LoRA**, optimizing with **FP16** and **DeepSpeed**. Implemented **RAG** with **Qdrant DB**, integrating **BM25**, **DPR**, and **hybrid search** to enhance real-time retrieval.

## Technical Skills

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Languages: C, Python, Java

## Achievements

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- Top **1%** Science Percentile in Gujarat Higher Secondary Education Board in the Year **2023**
- **3733** ACPC Rank in the Year **2023**

## Positions of Responsibility

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- **Stage Artist** : Anchored at various Sponsored , Live and Rehearsed events .