ARPIT SINGH

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Education

Integrated M.Tech. Artificial Intelligence (CSE)	Jul 2021 – May 2026
	CGPA: **8.56**
VIT Bhopal University, Bhopal, Madhya Pradesh	
Higher Secondary	Mar 2018 –May2019
Adity Biral Public School,Jagdishpur,UttarPradesh	Percentage: **81.6%**
Secondary	Mar 2016 – May 2017
Banyan Tree School,Jagdishpur,UttarPradesh	CGPA: **9.4**

Skills

Programming Languages: **Python**, **SQL**, Dart, HTML
Tech Stack: **GENAI**, RAG, **Flutter**, **NumPy**, **Pandas**, Matplotlib, Seaborn, **scikit-learn**,
TensorFlow, OpenCV,
Tools: GitHub, **MySQL**, **Power BI, Excel**

Projects

TabSql: generates complex sql query for a database Live
- Designed a Python application integrating GenAI to simplify **SQL query generation**, slashing the average query writing time from **4 hours** to just **30 minutes** while enhancing data integrity.
- Made writing complex SQL query quite efficient and easy also ensuring data integrity and optimized database query
  Technology used: Python, SQLite, SQL

TravelAi: Generates the efficient travel plan and budget Live
- **Developed a web-based AI-powered travel assistant** that processes user's input to generate travel itineraries based on weather conditions, estimated costs and available flights and hotels
- **Key features:**
  - Converts user's input into structured queries
  - Fetches weather-based recommendations for the best time to travel
  - Provides estimated costs, hotel and flight details

Work Experience

Tekie
Operation Intern   Jan 2022 –March 2022
- Managed daily operational task to ensure smooth execution of programming course for Students
- Streamlined internal processes, reducing response time for student support **by 20%**
- **Analyzed** the **Churn data** to provide key insight and reduce it **by 15%**
- Key Skills: Operations Management, Coordination, Process Improvement, Communication

Think Sage
ML Intern   Sep 2024 –Dec 2024
  Python, LangChain, LangGraph, NLP
  - **Designed and implemented** two custom Natural Language to SQL chatbots for international projects, handling dataset with **1M+ records**
  - Optimized the NL2SQL Pipeline using **LangChain** and **Llama-Index**, reducing query response time from **15s to 5s**, boosting performance by **33%**
  - Developed **FastAPI** endpoints and admin functionalities for deployed NLP applications, secured with Google Auth, impacting **1000+** users

Certifications

- **Artificial intelligence associate** by **Salesforce**   Jan 2025
- **Applied machine learning in python** by **University of Michigan**   Feb 2023

Extra Curriculars and Achievements

- **Jr. Core Team Lead**, **Music and Band Club**: **Conducted and Supervised 5+** events and increased participation **by 2x**
- **Team Lead, Annual Techno-Cultural Fest – AdVITya,** managed the seamless progress of the largest college fest

Additional Information

- **Hobbies:** Playing Video Games, Cricket, Chess, Anime, Music, Cooking
- **Languages:** English, Hindi