

# NIDHI SHARMA

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## Technical Skills

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**Languages/Database:** Python, Java, SQL, OOPs, Data Structures and Algorithms (DSA), Operating System (OS), Natural Language Processing (NLP), HTML, CSS

**Software and Tools:** MySQL, Tableau, Git, Excel, AWS, Java SpringBoot

**Soft Skills:** Leadership, Analytical Thinking, Problem-Solving, Attention to Detail, Adaptability, Teamwork, and Effective Communication

## Projects

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**Text to SQL App** | *Python, Streamlit, SQLite Database* [link](#)

- This project is a Text-to-SQL application that leverages a large language model (LLM) to convert natural language queries into SQL commands, retrieving data from a SQLite database. Built using Python and Streamlit, it provides a user-friendly interface for seamless interaction with the student database.

**Pizza Sales Analysis Project** | *SQL, Python, Pandas, Matplotlib* [link](#)

- This project involves analyzing pizza sales data to derive insights and patterns that can help improve business strategies and decision-making. The analysis includes sales trends, popular pizza types, and customer demographics, utilizing SQL for data querying and Python for data processing and visualization.

**Sentiment Analysis Project** | *NLTK, Scikit-Learn, Matplotlib, Seaborn* [link](#)

- This project performs sentiment analysis on a reviews dataset obtained from Kaggle, utilizing various machine learning algorithms to classify sentiments. The analysis includes exploratory data analysis, sentiment scoring with VADER, and model training using Naive Bayes and Random Forest classifiers. Additionally, K-Means clustering is employed for unsupervised analysis of sentiment distribution.

## Trainings

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**In-House Summer Training on NLP using Machine Learning** June-July 2023

## Certifications

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- Google UX Design Professional Certificate
- Data Visualization with Tableau (UCDAVIS Coursera)
- Introduction to Computer Vision and Image Processing (Coursera)
- Coursera Project Certificates on NLP using ML

## Education

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**Chandigarh University, Punjab, India** August 2021– July 2025  
Bachelor of Engineering, Computer Science Engineering CGPA: 8.42

## Achievements

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- 250+ questions solved on [LeetCode](#)
- **Published** a research paper on License Plate Recognition in **IEEE**
- Achieved top 1% ranking in the **NPTEL** course *Quantum Mechanics*
- Achieved top 2% ranking in the **NPTEL** course *Discrete Mathematics*
- Achieved top 5% ranking in the **NPTEL** course *Probability and Statistics*
- Gained **SQL50 badge** for SQL proficiency
- **National level wushu player**