

Siddhi Sovle

Ex-Intern at Punjab National Bank | Mentored at Hack4Bihar | Data Scientist

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📍 Delhi – India

[LinkedIn](#)

EXPERIENCE

Data Analyst Intern - [Punjab National Bank](#)

📅 Dec2024–March2025

- Worked with advanced machine learning models like **CatBoost** to improve predictions, using data preprocessing and **clustering** to find patterns.
- Built **Time Series Forecasting models** using **LSTM** to make better future predictions based on past data.

Data Science Intern - [AI Variant](#)

📅 Aug2023– Nov2023

- Used **Python, SQL, and Tableau** to analyze data and create visual reports, helping businesses make better decisions.
- Built a **machine learning model** to assess risk and support financial decision-making with higher accuracy.

ML Intern - [CodeSpaze](#)

📅 Jan2024– March2024

- Explored different ways to **visualize NLP models**, making them easier to understand and interpret.
- Used **large language models (LLMs)** to improve chatbot conversations and create personalized interview preparation experiences.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python
- **Tools and Framework:** Sql, Pandas, NumPy, TensorFlow, Data Visualization, Matplotlib, Keras, PyTorch .
- **Skills:-** Natural Language Processing, Deep Learning, Machine Learning, Computer Vision, Data Science.
- **Version Control :-** Git, GitHub
- **Deployment :** Flask, Streamlit

ACHIEVEMENTS

- **Finalist** in IIT Kharagpur – Kharagpur **Data Science Hackathon** 2024 .
- **Shortlisted** for GirlScript Summer of Code 2024, as a **contributor**.
- **Finalist** in Datathon 2024,24 Hour National Level Hackathon conducted by Somaiya Vidyavihar , Mumbai.
- Contributed as a **Data Scientist** in more than 5 Omdena Projects, solving **real world problems**.

EDUCATION

B.Tech. (CSE)- 80%

Vellore Institute of Technology, Bhopal

📅 2021-25

Higher Secondary - 88%

Jain Heritage Cambridge School

📅 2021

Secondary - 93.20%

BDM International School

📅 2019

CERTIFICATIONS

- IBM Machine Learning with Python Certificate .
- IBM Generative AI Essentials
- AWS Cloud Practitioner
- Data Science Certificate, Excel R

PROJECTS

[Grammer-Scoring Engine](#)

- Leveraged audio preprocessing and HuBERT embeddings to extract meaningful features from spoken grammar samples.
- Implemented Support Vector Regression to predict grammar scores with high reliability and generalization.

[TaskWhiz – Smart Project & Task Management Chatbot](#)

- TaskWhiz, a project management platform, to help users get instant answers about tasks, projects, integrations, and more using the FLAN-T5 language model.
- Used smart search and memory features like document embeddings, conversation history, and fallback messages to give accurate, helpful responses and improve over time with user feedback.

[Algorithmic Trading Strategy For BTC-USDT](#)

- Designed a BTC/USDT trading strategy using machine learning and mean reversion, boosting profitability by 15% over 200 trades.
- Achieved 95% execution accuracy by integrating advanced ML models with reliable trading techniques.

[Restaurant-Name Generator](#)

- Explored Generative AI using the Mistral-7B-Instruct model to dynamically generate restaurant names and menus based on cuisine.
- Gained hands-on experience with LLMs, RLHF, LangChain, and prompt engineering, chain-based model interactions.