

Sneha Gupta

Roll No.: 0105AL221197

Bachelor of Technology (B.Tech)

Artificial Intelligence and Machine Learning

Oriental Institute of Science and Technology, Bhopal

+91-6266258679

sneha280904@gmail.com

0105al221197@oriental.ac.in

github.com/sneha280904

linkedin.com/in/sneha-gupta-a78839261/

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (AIML)	Oriental Institute of Science and Technology, Bhopal	8.12	2022-Present
Senior Secondary	Kendriya Vidyalaya Chhatarpur, CBSE Board	87.4%	2022
Secondary	Kendriya Vidyalaya Chhatarpur, CBSE Board	91.3%	2020

EXPERIENCE

• DhiyoTech Pvt. Ltd.

Feb 2025 - May 2025

AIML Intern

- Built and fine-tuned an AI chatbot using Flask, PostgreSQL, and LLMs with LoRA optimization, from scratch.
- Developed microservices for chatbot logic, data scraping, and secure API-based communication.

PROJECTS

• NeuraChat – Scalable LLM-Powered Conversational AI

Built a fast, modular chatbot with fine-tuned LLMs and real-time microservices.

Feb 2025 - April 2025

- Built a scalable chatbot using Flask microservices and PostgreSQL, integrating fine-tuned LLMs.
- Developed real-time APIs with secure authentication, dynamic data ingestion via web scraping .
- Enhanced conversation context with NLP and built a scalable, modular deployment.
- **Tech Stack:** LLMs, Flask, PostgreSQL, LoRA Fine-Tuning, NLP, Microservices, WebScraping, Ollama, VMs

Github - github.com/sneha280904/NeuraChat

• Voca-Bot: Virtual Voice Assistant

AI-powered voice assistant for managing tasks and providing real-time info.

May 2025

- **Voice-Activated Tasks:** Set reminders, ask questions, and manage schedules with voice.
- **Real-Time Info & Custom Commands:** Get updates and personalize commands easily.
- **Tech Stack:** Python, Speech Recognition, NLP, Flask, Google Text-to-Speech, API

Github - github.com/sneha280904/Voca-Bot

• Sentilytics – Social Media Sentiment Analyzer

ML & NLP-based tool to detect sentiment in social media content.

April 2025

- Classifies **posts/comments** into **Positive, Negative, or Neutral** categories.
- Uses preprocessing + ML models for analysis and visualization of trends.
- **Tech Stack:** Python, NLTK, Pandas, Flask, PostgreSQL, Hugging Face Transformer, Microservices

Github - github.com/sneha280904/Sentilytics

• Blinkit Data Analysis

Analyzed BlinkIt sales data using SQL and Power BI to extract key insights

Dec 2024

- Identified **year-over-year sales trends** and **customer retention patterns**.
- Extracted **top/bottom 5 products** by revenue and analyzed customer feedback.
- **Tech Stack:** SQL, Power BI, Data Visualization, Excel

Github - github.com/sneha280904/Blinkit-data-analysis

TECHNICAL SKILLS

- **Programming Languages :** C++, Python
- **Technical :** DSA, Python, Excel, Power BI, OOPS, API Development, Microservices
- **Data Analysis :** Data cleaning, Exploratory Data Analysis, Data Visualization
- **Libraries/Frameworks :** Pandas, Matplotlib, Seaborn, **bs4**, **Scrapy**, **Selenium**, Tensorflow, **Keras**, Streamlit, **Flask**
- **Machine Learning, Deep Learning, NLP, AI**
- **Database :** SQL, PostgreSQL
- **Web Data Visualization :** HTML, CSS, JavaScripts (basic)
- **Soft skills :** Effective communication, Team collaboration

CERTIFICATIONS & ACHIEVEMENTS

- Certified in "**Python for Data Science**" by **IIT Madras** on **NPTEL**. Sept 2024
- Certified in "**Machine Learning for Engineering and science applications** " by **IIT Madras** on **NPTEL**. April 2025
- **Accenture North America** certificate for the **Data Analytics and Visualization** program on Forage. July 2024
- **PwC Switzerland** certificate for the **Power BI** program on Forage. July 2024
- **NCC 'A'** certificate 2019
- **Secured 2nd Position** in Basic Science branch in Oriental Institute of Science and Technology, Bhopal 2022