

# SNEHA AGARWAL

Bhopal , Madhya Pradesh , India

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Linkedin

Github

## Education

### VIT Bhopal University

2022 – 2026

Computer Science and Engineering(Majors in Artificial Intelligence and Machine Learning)

CGPA: 8.73

### St. James' School Binnaguri, ISC Board

2021 – 2022

Class XII (Senior Secondary Education)

Percentage: 89.25%

### St. James' School Binnaguri, ICSE Board

2019 – 2020

Class X (Secondary Education)

Percentage: 92.2%

## Skills & Courses

**Technical Skills:** Java, Python, JavaScript, SQL ,HTML,CSS, Excel, MATLAB, HTML, SQL, Data Analytics,Machine Learning.

**Soft Skills:** Communication, Collaboration , Leadership, Teamwork.

**Core Concepts:** Data Structures and Algorithms, Web Development, Machine Learning, Data Analysis.

**Coursework:** Computer Networks, Operating System, Database Management Systems, Object-Oriented Programming, Data Structures and Algorithms, Theory of Computation and Compiler Design, Engineering Design and Modelling, Natural Language Processing, Machine Learning.

## Projects

### Personality prediction through OCEAN values

February-May,2024

- Developed a machine learning model for Big Five (OCEAN) personality analysis based on user data.
- Trained models using Logistic Regression, KNN, Decision Tree, and Random Forest, achieving a 92 percent F1-score.
- Conducted performance evaluation with confusion matrix and classification reports, improving classification precision by 15 percent.

### KinderConnect-AI as Psychiatrist

February,2025 - Ongoing

- Developed an **AI-driven virtual psychiatrist** using **Machine Learning (Random Forest, Decision Tree, Naïve Bayes)** and **React**,to help children combat mental depression and anxiety.
- Implemented three-phase architecture:
  - Phase 1: **Direct psychiatrist consultation (via video calls).**
  - Phase 2: **3D virtual chatbot powered by NLP and Sentiment Analysis for interactive engagement.**
  - Phase 3: **AI-powered physical robot for advanced emotional support.** (advanced level).
- Achieved 95 percent accuracy in predicting emotional distress using ML-based sentiment analysis (Random Forest, Decision Tree, Naïve Bayes).

## Experience

### CareerWale | Data Analyst and Web Scraping Intern

September,2024 – February,2025

- Extracted, processed, and analyzed large-scale datasets (600+) using Python and SQL, ensuring data integrity and accuracy.
- Performed data analysis and visualization using Python (Pandas, Matplotlib, Seaborn) to generate insights for business decision-making.
- Optimized SQL queries for efficient data extraction, filtering, and aggregation, improving query performance by 40 percent.

## Profile Links

• [Leetcode/Sneha](#) • [GeeksforGeeks/Sneha](#) • [HackerRank/Sneha](#)

## Certifications

- Introduction to Python[**Vityarathi** May,2023], Online Course in Applied Machine Learning in Python[**Coursera** January,2024], Introduction to Business Intelligence [**Infosys** February,2024], Privacy and Security in Online Social Media[**NPTEL** April,2024], Postman Challenge[**Postman** September,2024], GSSOC[**GSSOC** October,2024], Computer Vision[**Vityarathi** December,2024]