

Snigdha Gupta

Udaipur, India | snigdha212@gmail.com | LinkedIn: <http://www.linkedin.com/in/snigdha-gupta-00068220b> |

GitHub: [Snigdha2121](https://github.com/Snigdha2121) | Portfolio Website: https://snigdha2121.github.io/portfolio_website/

EDUCATION

Rajasthan Technical University, Kota

Rajasthan, India

B.Tech in Computer Science with specialization in Artificial Intelligence

Expected Graduation: July 2026

- CGPA: 9.41/10, (4 Semesters)

SKILLS

- Languages:** Python, C++, SQL
- Tools:** Power BI, Google Colab, Jupyter Notebook, VS Code, Git, Linux, Google Analytics, Kaggle
- Libraries and Frameworks:** scikit-learn, Pandas, Matplotlib, Seaborn, Numpy
- Technologies:** Machine Learning, Data Analysis and Visualization, Data Cleaning and Pre-processing

EXPERIENCE

Artificial Intelligence Intern

July 2024 – August 2024

IBM SkillsBuild & CSRBOX

Remote

- Led a team of 6 members to design and develop a chatbot using IBM Watsonx Assistant for farmers.
- Engineered a machine learning-based crop yield predictor with 96% accuracy and integrated it with the chatbot.
- Collaborated with team members to create a front-end interface using HTML, CSS, and JavaScript.

Data Science Intern

May 2024 – July 2024

Mainflow Services & Technology

Remote

- Conducted EDA and visualizations on a 1,368-row dataset, identifying trends in release year, duration, and title count.
- Developed machine learning models for forecasting and clustering tasks.
- Performed sentiment analysis on Disney+ Hotstar data, identifying top titles with sentiment scores up to 0.9413.

Data Visualization Micro-Intern

December 2023 – January 2024

IBM SkillsBuild & CSRBOX

Remote

- Analysed 1,000+ records and created 10+ visualizations using Matplotlib, Seaborn, and Sweetviz to uncover trends in salary, experience, and education.
- Automated EDA reporting, reducing analysis time by 50%, during a micro-internship on AI-driven data visualization.

PROJECTS

SecurePay Shield: Machine Learning-Based Transaction Security App

- Led a team to develop a web application for detecting UPI and credit card fraud using machine learning models.
- Designed and implemented the UPI fraud detection system with a Random Forest model achieving 98% accuracy.
- Crafted a user-friendly interface for the web app, enabling seamless fraud detection workflows.

Agrichat: An Agriculture Platform to Guide You

- Built and trained an agriculture-focused chatbot using IBM Watsonx Assistant to assist farmers.
- Implemented a Crop Yield Predictor using Support Vector Machine (SVM) with 96% accuracy, providing actionable insights for agricultural planning.

Disease Recommendation System

- Established a system to predict diseases based on symptoms using a Support Vector Classifier (SVC) with 97% accuracy.
- Utilized Python libraries such as Scikit-learn for model training, Pandas for data preprocessing, and Matplotlib/Seaborn for data visualization.

ACHIEVEMENT

- 4 Times College Topper | Coding Ninjas Coding Test
- 2nd Runner-Up | IBM Virtual Pitch Night 2024 | Team Leader
- 6th Runner-Up | Idea Ignite CodeByte 2024 | Individual
- 1st Runner-Up | Hack-A-Vishkaar 2024 | Team Leader
- Best Paper Award | ICUS (International Conference for UG Students) 2024 | Team Leader
- 1st Runner-Up | Ideathon 2022 | Team Leader

PUBLICATION

- Title: Cognitive Companion: Designing an AI-ML-IoMT Assistive Device for Alzheimer's Patients
Publication: Abstract published in the Book of Abstracts: ICUS 2024 ISBN: 978-81-955020-8-0
DOI: <https://doi.org/10.56155/978-81-955020-8-0>
Access Link: <https://www.publications.scrs.in/chapter/978-81-955020-8-0/1>