Snigdha Gupta

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PERSONAL SUMMARY

Aspiring Data Scientist and AI enthusiast with a strong foundation in machine learning, data analysis, and visualization. Skilled in Python, C++, and SQL, with hands-on experience in cloud computing, AI-driven applications, and data science. Passionate about leveraging AI and data-driven solutions to solve real-world problems. Recognized for leadership in multiple national-level hackathons and research contributions.

EDUCATION

Geetanjali Institute of Technical Studies, Udaipur | Rajasthan Technical University, Kota **Rajasthan, India**
B.Tech in Computer Science with specialization in Artificial Intelligence *Expected Graduation: July 2026*

- CGPA: 9.49/10, *(5 Semesters)*

The Study Senior Secondary School Central Board of Secondary Education (CBSE)
Senior Secondary Examination (12th Grade) *2020*

- Percentage: 75%

The Study Senior Secondary School | Central Board of Secondary Education (CBSE)
Secondary Examination (10th Grade) *2018*

- Percentage : 83%

SKILLS

- **Programming & Development:** Python, C++, SQL
- **Data Science & Machine Learning:** Data Analysis, Data Cleaning, Pre-processing, Feature Engineering, Model Training & Evaluation
- **Visualization & Analytics:** Power BI, Matplotlib, Seaborn, Sweetviz, Google Analytics
- **Cloud & AI Integration:** Google Cloud Platform, IBM Watsonx Assistant, Twilio API
- **Tools & Platforms:** Google Colab, Jupyter Notebook, VS Code, Kaggle, SQL Server Management Studio, Snowflake
- **Operating Systems:** Windows, Linux
- **AI & Frameworks:** Scikit-learn, NumPy, Pandas

EXPERIENCE

Artificial Intelligence/Machine Learning Intern **April 2025 - Present**
WEBaniX Solutions *Udaipur, Rajasthan*

- Currently working as an AI/ML intern.

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.

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.
- 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*

- Developed insights from 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.

Consultant/Freelance Content Writer & Editor **March 2021 – December 2023**

- Researched and wrote high-quality articles on Technology, Automobile, Academics, Cryptocurrency etc.
- Edited and proofread content to ensure clarity, coherence, and factual accuracy.
- Worked with clients to develop engaging and well-structured reports, blogs, and research-based content.

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.

Agrichat: An Agriculture Platform to Guide You

- Built and trained an agriculture-focused chatbot using IBM Watsonx Assistant to assist farmers.
- Developed a Crop Yield Prediction model using Gradient Boosting Regressor, achieving 99.97% accuracy ($R^2 = 0.9997$) and a low MAE of 0.0175, enabling data-driven 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.

CERTIFICATIONS

- **UDEMY**
  Udemy Machine Learning A-Z: AI, Python & R — Currently Ongoing

- **KAGGLE**
  Introduction to Programming — April 2025
  Python — April 2025
  Introduction to Machine Learning — April 2025
  Pandas — April 2025
  Intermediate Machine Learning — April 2025
  Data Visualization — April 2025
  Feature Engineering — April 2025

- **NPTEL**
  Cloud Computing, IIT Kharagpur (80% Silver Elite) — May 2024
  Database Management System, IIT Kharagpur (72% Elite) — April 2024
  Programming , Data Structures And Algorithm using Python, IIT Madras — September 2023
  Problem Solving Through Programming in C, IIT Kharagpur (60% Elite) — April 2023

- **GOOGLE**
  Prompt Design in Vertex AI — April 2024
  Foundations of Cybersecurity — January 2024
  Build and Secure Networks in Google Cloud — October 2024
  Perform Foundational Data, ML, and AI Tasks in Google Cloud — October 2023

- **OTHERS**
  Data Analytics & Visualization Job Simulation – Accenture North America — September 2024
  Artificial Intelligence Fundamentals – IBM SkillsBuild — July 2024

ACHIEVEMENT AND EXTRACURRICULAR ACTIVITIES

- **Best Paper Award** | ICUS (International Conference for UG Students) 2024 | **Team Leader**
- **2nd Runner-Up** | IBM Virtual Pitch Night 2024 | **Team Leader**
  *Among **29,347 students** from **6,123 teams**, across **1,230 colleges** in **25 states** in India.*
- **1st Runner-Up** | Hack-A-Vishkaar 2024 | **Team Leader**
- **1st Runner-Up** | Ideathon 2022 | **Team Leader**
- **6th Runner-Up** | Idea Ignite CodeByte 2024 | **Individual**
  *Secured **7th place among 2,000+ participants** in the Idea Ignites by CodeByte.*

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