

Sneha Agarwal

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EDUCATION

VIT Bhopal University

B.Tech in Computer Science (AI & ML) – 8.69/10 CGPA

Bhopal, India

2022 – 2026

St. James' School

Class XII , ISC – 89.25 %

Binnaguri, W.B., India

2021 – 2022

St. James' School

Class X, ICSE – 92.20 %

Binnaguri, W.B., India

2019 – 2020

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL
- **FrameWorks & Tools:** Pandas, NumPy, Seaborn, Matplotlib, Power BI, Tableau, Excel
- **Domains & Techniques:** Generative AI, Machine Learning, Deep Learning, Data Visualization, Artificial Intelligence, Natural Language Processing

EXPERIENCE

CareerWale – Data Analyst Intern [LINK]

Sep 2024 – Feb 2025

- Conducted comprehensive data mining and preprocessing using Python (Pandas, NumPy) and SQL to clean, normalize, and integrate heterogeneous datasets, improving data reliability and reducing errors by 15%.
- Supported development and validation of predictive machine learning models by performing Exploratory Data Analysis (EDA), feature engineering, and statistical testing, boosting model accuracy by 10%.
- Designed and implemented over 10 interactive Power BI dashboards and Python visualizations (Matplotlib, Seaborn) to enable real-time insights and support data-driven decision-making for business stakeholders.

PROJECTS

ShadowStamp – AI & Cyber-Based Anti-Piracy System [LINK]

Apr 2025 – May 2025

- Engineered a comprehensive anti-piracy system by researching advanced tracking systems and implementing invisible security markers to generate and detect hashes using OpenCV and deep learning.
- The system was designed to prevent content piracy through real-time watermark detection and the use of an immutable Solana blockchain ledger to store ownership hashes.
- Selected as a finalist in the WAVES 2025 Anti-Piracy Challenge, ranking among the top 7 projects nationally.

Technologies used: Steganography, FFT, DCT, DWT, YOLO, Neural Networks, Blockchain

Data Scientist Job Salary Dashboard (Tableau) [LINK]

Jun 2025 – Jul 2025

- Developed an interactive Tableau dashboard to analyze 500+ data science job salaries, providing key insights into salary distributions across job titles, experience levels, and company sizes.
- This dashboard provided key insights into salary distributions, revealing a 20% salary premium for data science roles in large companies.
- The insights showed that Senior-level roles had significantly higher salaries, confirming the direct impact of experience on compensation.

Technologies used: Tableau, Excel, Google Colab, Data Visualization, Business Analytics

KinderConnect - Child Centric Mental Health Portal [LINK]

Feb 2025

- Developed a recommender system for matching child patients with psychiatrists using Machine Learning models like Decision Tree and Random Forest.
- The system achieved a high accuracy rate, 85% in predicting optimal matches, reducing booking time and increasing the completion rate.
- Finalist in the prestigious Health Hackathon, hosted by VIT Bhopal University and Johns Hopkins University, USA.

Technologies used: Python, ML, Random Forest, Decision Tree, Gen AI

ACHIEVEMENTS

- Semi-finalist at Smart India Hackathon, 2023 [LINK]
- Top 7 Finalist in Anti-Piracy Challenge, WAVES, 2025 [LINK]