

SANSKRITI SRIVASTAVA

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EDUCATION

- IIMT COLLEGE OF ENGINEERING, GREATER NOIDA** **Oct'21 – June'25**
B.Tech in Computer Science and Artificial Intelligence (GPA: 8.1/10)
- DAV PUBLIC SCHOOL, SRESHTHA VIHAR, DELHI** **March'20 – March'21**
Senior Secondary (12th) in PCMCs **Percentage: 92%**
- DAV PUBLIC SCHOOL, SRESHTHA VIHAR, DELHI** **March'18 – March'19**
Higher Secondary (10th) **Percentage: 94%**

EXPERIENCE

- DATA SCIENCE Intern: DataCulture Technologies Pvt Ltd (Virtual)** **July'24 – Sep'24**
 - Worked on Generative AI in the domain of Text-to-Image Generation, contributing to a project that improved image generation quality by 25%.
 - Designed and implemented algorithms that optimized text-to-image conversion, reducing processing time by 15%.
 - Collaborated with a team to fine-tune models, resulting in a 20% increase in output accuracy.
- UI/UX DEVELOPER Intern: Marketwicks Pvt Ltd (Onsite)** **June'24 – July'24**
 - Improved website performance by 30% through front-end optimization and content management system (CMS) enhancements.

SKILLS

AI & ML	Supervised and Unsupervised Learning, AI tools, Python-Streamlit
Data Analysis	MySQL, Python- NumPy, Pandas, Matplotlib, Seaborn, Sci-Py, Data Cleaning, EDA, RDBMS
Data Visualization	Power BI, MS Excel
Statistics & Math	Probability, Statistics, Linear Algebra
Soft Skills	Report Building, Team Work, Strong Communication

PROJECTS

- TEXT TO IMAGE GENERATION USING ML– transformers, gradio, diffusers** [GitHub](#)
 - Developed a text-to-image generator using Segmind's SSD-1B model with **99.9% memory-efficient attention** on GPU.
 - Built a Gradio interface to input prompts and generate images, achieving **<5 seconds** response time.
 - Integrated **torch float16 precision** to optimize performance, reducing memory usage by **50%** for larger prompts.
- AIR QUALITY ANALYSIS – EDA – Python, Power BI** [Dashboard](#) | [GitHub](#)
 - Developed an interactive Power BI dashboard analysing air quality trends across 6 years (2015-2020) for 100+ cities.
 - Visualized key metrics: Average AQI (166.46), Maximum AQI (2.05K), Minimum AQI (13.00), across seasons and cities.
 - Conducted pollutant analysis (PM2.5, PM10, NO2, O3, SO2), showing seasonal and yearly fluctuations, identifying cities with highest (Ahmedabad) and lowest (Talcher) AQI.
- ZOMATO SALES ANALYSIS – Python-Pandas, Matplotlib, Power BI** [Dashboard](#) | [Insights](#)
 - Cleaned and analysed 987M sales data records using Pandas, enhancing insights into sales, ratings, and customer behaviour.
 - Created interactive Power BI dashboards showcasing 148K ratings, 150K orders, and customer demographics across 821+ cities.
 - Identified sales trends and customer gains/losses with data visualizations, leading to a 12K net customer gain analysis.

ACHIEVEMENTS and CERTIFICATIONS

- GATE CS'2024 QUALIFIED**
- Certified Expert in Power BI and MS EXCEL using AI by Office Master [Certificate1](#) [Certificate2](#)
- Solved 250+ DSA Question on GFG [GFG](#)