SANSKRITI SRIVASTAVA

sanskriti020803@gmail.com | Ph: +91 7042274039 | LinkedIn | Github | NOIDA, UP | Portfolio

EDUCATION

1. ***IIMT COLLEGE OF ENGINEERING, GREATER NOIDA***   *Oct'21 – June'25*
   B.Tech in Computer Science and Artificial Intelligence (**GPA: 8.2/10**)

2. ***DAV PUBLIC SCHOOL, SRESHTHA VIHAR, DELHI***   *March'20 – March'21*
   Senior Secondary (12th) in PCMCs   **Percentage: 92%**

3. ***DAV PUBLIC SCHOOL, SRESHTHA VIHAR, DELHI***   *March'18 – March'19*
   Higher Secondary (10th)   **Percentage: 94%**

EXPERIENCE

1. **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.

2. **UI/UX DEVELOPER Intern:** *Marketwicks Pvt Ltd*   (**Office Internship**)   *June'24 – July'24*
   - Improved website performance by 30% through front-end optimization and content management system (CMS) enhancements.

TECHNICAL SKILLS

Web Development	HTML, CSS, JavaScript, React.js, Next.js, Node.js, Express.js, MERN Stack, RESTful API, MongoDB
Version Control	Git, GitHub
Core Subjects	DBMS, OS, CN, C/C++, Data Structures, Algorithms, Statistics
Analytics	Power BI, MySQL, MS EXCEL, Python – Numpy, Pandas, Matplotlib, Seaborn, Streamlit
AI	Supervised, Unsupervised Learning, Machine Learning Basics

PROJECTS

1. **EQUITRADE: STOCK TRADING ANALYSIS SYSTEM –** *MERN STACK*   Demo | Github
   - **Real-time Market Data**: Displays real-time stock prices, with over 5,000 stocks supported for detailed analysis.
   - **User-Specific Dashboards**: Customized dashboards displaying portfolio value, P&L, and transaction history for over 1,000 active users.
   - **Secure Trading**: Facilitates secure transactions, processing up to 10,000 trades daily, with instant execution and minimal latency.

2. **FRONTEND FOR WEBSITES (FREELANCE) –** *React.js, Next.js*   Web1 | Web2
   - **Shishir & Co.**: Developed a professional landing page using React and Vite, enhancing user navigation with routing features.
   - **DCT Website**: Built an SEO-optimized website with Next.js, improving load speed by 40% and enhancing user engagement
   - **Freelance Frontend Projects**: Created two responsive websites using React and Next.js, focusing on modern design and optimal performance.

3. **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.

4. **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.

5. **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.

ACHIEVEMENTS and CERTIFICATIONS

1. **GATE CS'2024 QUALIFIED**
2. MERN STACK CERTIFIED COURSE – by Apna College
3. Solved 350+ DSA Question on GFG and Leetcode   [GFG](#) [Leetcode](#)
4. Certified Expert in Power BI and MS EXCEL using AI by Office Master   [Certificate1](#) [Certificate2](#)