

Shreya Asthana

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Education

VIT Bhopal University, Sehore, Madhya Pradesh - B. Tech.	2022-2026
Computer Science and Engineering, Specialization in Artificial Intelligence and Machine Learning Cumulative GPA: 9.05/10	
Aviraj World School, Rewari, Haryana - 12th Standard	2021-2022
Percentage: 92.34%	
Euro International School, Rewari, Haryana - 10th Standard	2019-2020
Percentage: 94.83%	

Experience

SDE Intern – GenAI & Full-Stack Development Epilepto Systems	June,2025-September,2025
<ul style="list-style-type: none">Contributed to GenAI and full-stack projects using Python, MERN stack, Flask, and Streamlit within Databricks for intelligent document processing.Designed and implemented LLM-powered RAG workflows integrating semantic search, vector databases, embedding models, and chatbot systems.Explored and utilized Databricks services including apps, serving endpoints, utility catalogs, APIs, and SQL warehouse to enable scalable AI solutions.Applied MLflow for experiment tracking worked with Figma, ensuring end-to-end solution development.Worked with MySQL and data-driven pipelines, enabling structured storage, retrieval, and integration with AI workflows.	

Projects

Atliq Hardware Sales Analysis (Tableau Dashboard) | [Github Link](#)

- Analysed sales data across 12+ months, identifying revenue trends and high-performing regions
- Utilized SQL to perform initial data analysis, extracting key insights and ensuring data integrity for effective decision-making.
- Designed an interactive Tableau dashboard to analyse sales performance, revenue trends, and market share.
- Conducted data cleaning and transformation to ensure accuracy in sales insights.
- Provided business intelligence insights, helping identify high-performing regions and product demand patterns.

Global Library Data Analysis (PowerBI Dashboard) | [Github Link](#)

- Built an interactive Power BI dashboard analysing library infrastructure across 150+ countries to visualize expenditure, librarian-to-user ratios across regions.
- Included interactive filters for real-time data-driven decision-making.
- Performed data cleaning and transformation, handling missing values for accurate reporting.

B2B Fraud detection (Python) | [Github Link](#)

- Led a fraud detection analysis on courier billing discrepancies for a company, uncovering revenue losses.
- Executed data preprocessing (finding missing values, handled discrepancies in names and data type , created calculated measures to find expected charges) and integrated 5 datasets (Invoices, Orders, Courier Rates, Pin Code Mappings) to detect overcharging patterns.
- Identified that 95.3% of orders were overcharged, revealing systematic weight inflation and zone manipulation.

Diabetes Risk Prediction for female (Python) | [Github Link](#)

- Engineered a Machine Learning model to predict diabetes risk using a dataset of 769 records and 8 features.
- Achieved 89.73% accuracy using the Gradient Boosting Algorithm.
- Addressed class imbalance (400 non-diabetic vs. 250+ diabetic) using SMOTE, ensuring balanced model training.
- Enhanced model performance through Grid Search Cross-Validation, improving accuracy from 84.4% to 89.73%.
- Conducted Exploratory Data Analysis (EDA) with visualizations to refine feature selection.

Technical Skills

Python (scikit-learn, Pandas, NumPy, Matplotlib, Seaborn), Java, SQL, Flask, Streamlit, React.js, MySQL, MongoDB, Git, GitHub, Jupyter Notebook, VS Code, Microsoft Excel, Power BI, Tableau, Databricks (SQL Warehouse, MLflow, Apps, Endpoints).

Expertise in Data Preprocessing, EDA, Feature Engineering, Machine Learning, Automation Workflows, Data Visualization, and Generative AI (RAG, Embeddings, Chatbots).

Certifications & Training

Google Cloud Digital Leader (Google Cloud, 2024-2027), IBM Data Fundamentals (IBM Skills Build), AI Primer Certification (Infosys SpringBoard), Python (Basic) & SQL (Basic) (HackerRank), Data Science with Python (iamneo), EFSET English Certificate (C1).