AVIJIT JANA

Kolkata, West Bengal, India | +91 9830641205 | avijitjanascience24@gmail.com
LinkedIn: https://www.linkedin.com/in/avijit-jana/ | GitHub: https://github.com/Avijit-Jana

SUMMARY

Results-oriented Data Scientist with proven expertise in machine learning, advanced analytics, and predictive modeling. Adept at translating complex data into actionable business insights and designing automated workflows that drive efficiency and performance. Highly skilled in Python, SQL, Power BI, and statistical modeling, with a strong track record of delivering data-driven solutions that enhance decision-making and business outcomes.

SKILLS

- **Programming & Tools:** Python, SQL, MySQL, C, C++, JAVA, Git, GitHub
- **Data Analysis & Visualization:** Excel, Power BI, Matplotlib, Seaborn, Plotty
- **Machine Learning & AI:** Supervised Learning, Unsupervised Learning, Deep Learning, Transformers, Time Series Forecasting, Model Optimization, Predictive Modeling
- **Web Development & Automation:** Streamlit, Selenium, Web Scraping
- **Statistical Techniques:** Hypothesis Testing, Regression Analysis, Probability Distributions, Statistical Modeling

PROJECT EXPERIENCE

1. **CNN Architectures Benchmark | GitHub**
   May 2025 – Present
   - Implemented and benchmarked CNN models (LeNet-5, AlexNet, GoogLeNet, ResNet, Xception) across MNIST, Fashion-MNIST, and CIFAR-10 datasets.
   - Evaluated and compared architectures using precision, recall, F1-score, and loss curves.
   - Delivered insights on performance trade-offs to guide model selection in production systems.
2. **Classifying Cybersecurity Incidents using Machine Learning | GitHub**
   Dec 2024 – Present
   - Developed a classification model to detect cybersecurity incidents (True Positives, Borderline Positives, False Positives) using the GUIDE dataset.
   - Automated threat detection to enhance SOC efficiency and reduce response times.
   - Achieved 90% accuracy with a Macro F1 Score of 89% through advanced feature engineering and model evaluation (Precision, Recall).
3. **Used Car Price Prediction | GitHub**
   Nov 2024 – Present
   - Built a machine learning model to predict used car prices based on key features such as make, model, year, and fuel type.
   - Deployed a Streamlit-based web application for real-time price estimation to assist customers.
   - Conducted Exploratory Data Analysis (EDA) and optimized model performance to achieve an R^2 Score of 93%.

EDUCATION

- **Advanced Programming Professional & Master Data Science**
  IIT-M GUVI, 2024 – 2025
- **Bachelor of Science in Computer Science (Honours)**
  University of Calcutta, 2021 – 2024

CERTIFICATIONS

- Data Analytics Using Pandas – GUVI (October 2024) – Verified Certificate
- Master Data Science – GUVI (June 2024 – November 2024) – Verified Certificate
- Image processing – GUVI (April 2025) – Verified Certificate