Dhruv Gupta

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Education

Gautam Buddha University	**Expected May 2025**
Bachelor of Information Technology (GPA:9.00/10.00)	*Greater Noida , Uttar Pradesh*

Experience

NULLCLASS   **Jul 2024**
Data Analyst Intern
- Enhanced data-driven decision-making by creating a real-time Twitter Analytical Dashboard using Power BI, integrating ETL processes and DAX queries, resulting in a 20% improvement in tracking social media trends.
- Delivered actionable insights on user engagement behaviors by analyzing social media metrics and trends, enabling data-driven strategies that led to a 15% increase in campaign effectiveness for marketing teams.

Bharat Intern   **Jun 2024**
Machine Learning Intern
- Optimized house price prediction by developing a Random Forest regression model in Python, achieving a mean squared error of X on a dataset of Y houses, and improved model accuracy by 10% through feature scaling and imputation; streamlined movie recommendations by building a user-based collaborative filtering system, achieving 85% precision and 80% recall in recommendation accuracy.

Projects

TalentScout Hiring Assistant   - | *Streamlit, LangChain, Groq API, Python*
- Built an AI hiring assistant using **Streamlit** and **Groq API** to automate technical candidate screening, generating tailored interview questions based on skills and experience.
- Augmented candidate interaction through a seamless and user-friendly interface, ensuring encrypted data handling for security. Integrated JSON-based result storage for structured record-keeping while maintaining GDPR compliance.

Fake Review Detection   - | *Machine Learning (SVM, TF-IDF, LIME, SHAP), Flask, HTML5, CSS3, JavaScript*
- Leveraged machine learning (**SVM**, **TF-IDF**) to detect fake reviews, achieving **90% accuracy**, and integrated the model into a Flask web app for real-time analysis and retraining
- Improved model interpretability by integrating **LIME** and **SHAP** for explainable AI, enabling transparent decision-making and fostering greater user trust and engagement through clear, actionable insights.

Google Stock Forecasting   - | *ANN(RNN), LSTM, TensorFlow, Keras, Scikit-Learn, Matplotlib*
- Developed a predictive model to forecast Google stock prices using **Recurrent Neural Networks (RNN)**.
- Trained an RNN for stock price prediction using **MinMaxScaler**, built an **LSTM** model with TensorFlow and Keras to capture temporal patterns, visualized trends with Matplotlib, and evaluated accuracy using **MSE**.

Other Projects
- **Wine Quality Check** using a Neural Network for wine quality classification using **Keras Sequential API** with **Dense layers** and employed categorical crossentropy loss function for **multi-class prediction**.
- **BodyFunDetector Analyzer** a real-time body function detector using **OpenCV** and **PoseNet** for accurate pose estimation, optimizing performance to reduce latency by **30%** and enhance user experience.

Technical Skills

Programming Languages : Python, SQL, C++

Tools & Technologies : VS Code, TensorFlow, Scikit-Learn, Pandas, NumPy, Matplotlib, Git, Power BI, OpenCV, Streamlit, LangChain

Skills : Machine Learning (Supervised/Unsupervised), Deep Learning (ANN, CNN, RNN), NLP/LLM, Computer Vision.

Certifications

- **Certified in Data Science Specialization** - LinuxWorld
- **Data Analytics and Visualization Job Simulation** - Accenture (Collab with Forage)
- **Deploy Machine Learning Solution** - Devtown (Collab of Microsoft Learn & GDG Ranchi)