

Dhruv Gupta

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Education

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

NULLCLASS <i>Data Analyst Intern</i> <ul style="list-style-type: none">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.	Jul. 2024
Bharat Intern <i>Machine Learning Intern</i> <ul style="list-style-type: none">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.	Jun. 2024

Projects

TalentScout Hiring Assistant - <i>Streamlit, LangChain, Groq API</i> <ul style="list-style-type: none">Build an AI hiring assistant using Streamlit and the Groq API to automate technical candidate screening, generating tailored interview questions based on skills and experience.Enhanced candidate engagement with a seamless, user-friendly interface; ensured encrypted data handling for security and integrated JSON-based result storage for structured record-keeping while maintaining GDPR compliance.	
RAG ChatFlow - <i>Flask, Google Gemini API, ChromaDB, HTML/CSS, JavaScript</i> <ul style="list-style-type: none">Developed a Retrieval-Augmented Generation chatbot by implementing document ingestion (PDF/TXT upload and chunking), embedding via Google Gemini API, and vector storage in ChromaDB.Orchestrated a Flask backend and HTML/JavaScript frontend to process user queries, retrieve top-K relevant chunks, and generate grounded responses via Gemini, delivering a seamless chat interface.	
Utilities_Yolov8 - <i>Python (Streamlit, PyTorch, OpenCV), YOLOv8, Labellmg, Google Colab</i> <ul style="list-style-type: none">Engineered a custom kitchen utilities object detection pipeline using YOLOv8, annotated via Labellmg for spoons, cups, and plates; optimized dataset splits and applied augmentations to improve mAP.Implemented an interactive Streamlit app for image, video, and webcam inference: managed uploads, asynchronous processing, and real-time rendering of bounding boxes with confidence scores; deployed via Colab/ngrok and integrated GitHub CI.	
Other Projects <ul style="list-style-type: none">Wine_Quality_Check: Spearheaded a wine quality classification model using a neural network with the Keras Sequential API (Dense layers) and categorical cross-entropy for multi-class prediction.BodyFunDetector Analyzer: Created 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

<ul style="list-style-type: none">Certified in Data Science Specialization - LinuxWorldData Analytics and Visualization Job Simulation - Accenture (Collab with Forage)Deploy Machine Learning Solution - Devtown (Collab of Microsoft Learn & GDG Ranchi)
