Anurag Bhandari

AI/ML/OSS ENTHUSIAST

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EDUCATION

Jaypee Institute of Information Technology
B.TECH CSE

Noida, Uttar Pradesh
2021-2025

Green Fields Public School
High School

Safdarjung Enclave, New Delhi
2019-2021

PROFESSIONAL EXPERIENCE

DATA SCIENCE INTERN   **May 2024 - Present**
INNATE AI

- I improved data preprocessing pipelines by implementing efficient workflows, resulting in reduced data processing time.
- I fine-tuned LLMs and Transformer Models by optimizing hyperparameters, which enhanced task-specific performance.
- I developed a RAG application for Text-to-Cypher query generation by integrating advanced algorithms, resulting in enhanced query accuracy.

AI ENGINEER INTERN   **Oct 2023 - Nov 2023**
WISEOPS AI

- I automated Athena Database SQL query generation by leveraging LLMs, Langchain, and Chainlit, which resulted in increased query generation efficiency.
- I optimized data pipelines for data preparation by implementing robust processes, leading to improved data readiness.
- I enhanced data ingestion in RAG applications by web scraping documentation websites, resulting in better data availability.

ANALYST INTERN   **Jun 2023 - Aug 2023**
SKILL ROUTE ADVISORS LLP

- I fine-tuned diffusion-based models by customizing them to customer needs, resulting in improved model accuracy.
- I developed transcribing desktop application by integrating advanced features, resulting in improved real time transcription.
- I improved image classification tasks by implementing cutting-edge techniques, which increased the classification accuracy by a significant measure.

OPEN SOURCE

- I enhanced model performance by making valuable code contributions, including calibrating models which resulted in significant improvement in model accuracy in their BugBug project
- I was recognized in Mozilla's Engineering Effectiveness Newsletter March and April 2023 edition

SKILLS

- Python, MySQL
- Machine Learning
- Deep Learning
- Data Analysis and Visualization
- NLP, Reccomender Systems
- Langchain, Chainlit
- LabelStudio
- Git, Github
- Linux

PROJECTS

RAGgle

Chainlit app for advanced RAG using Langchain, llamaparse, qdrant and model inference from groq

IPL Win Probability Predictor

Streamlit Webapp based on an XGBRegressor-based ML model which predicts the win probability of IPL Teams during any instance of time in a match(2nd innings) with 96% accuracy.

Image Classification

RESNET9 architecture based CNN Model for the task of image classification on 131 categories of fruits and vegetables.