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

- Improved data preprocessing pipelines by implementing efficient workflows, resulting in reduced data processing time.
- Fine-tuned LLMs and Transformer Models by optimizing hyperparameters, which enhanced task-specific performance.
- 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

- Automated Athena Database SQL query generation by leveraging LLMs, Langchain, and Chainlit, which resulted in increased query generation efficiency.
- Optimized data pipelines for data preparation by implementing robust processes, leading to improved data readiness.
- 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

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

OPEN SOURCE

- Enhanced model performance by making valuable code contributions, including calibrating models which resulted in significant improvement in model accuracy in their BugBug project
- 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.