

# Anurag Bhandari

Amazon ML Summer School 2024

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## EDUCATION

**Jaypee Institute of Information Technology**  
**B.TECH CSE**  
**Green Fields Public School**  
**High School**

**Noida, Uttar Pradesh**  
**2021-2025**  
**Safdarjung Enclave, New Delhi**  
**2019-2021**

## PROFESSIONAL EXPERIENCE

**DATA SCIENCE INTERN**  
**INNATE AI**

**May 2024 - Present**

- 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.
- Orchestrated Agentic workflows using LangGraph and Langchain, resulting in state of the art LLM based pipelines.

**AI ENGINEER INTERN**  
**WISEOPS AI**

**Oct 2023 - Nov 2023**

- 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**  
**SKILL ROUTE ADVISORS LLP**

**Jun 2023 - Aug 2023**

- 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    | • Data Analysis and Visualization | • Docker      | • LLMs      |
| • Machine Learning | • NLP                             | • Git, Github | • AI Agents |
| • Deep Learning    | • Langchain/LangGraph             | • Linux       | • Vector DB |

## 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.