

Arya Gupta

8432111377 | aryagupta2108.ag@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

Programming Languages: Python, SQL

Data Analysis & Visualization Tools: Pandas, NumPy, Matplotlib, Seaborn, Plotly

Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-learn, XGBoost

Deep Learning Tools: Keras, Hugging Face Transformers, OpenCV, Fastai

Model Deployment & MLOps: MLflow, TensorFlow Serving, SageMaker

PROJECTS

1. Real-Estate-Machine-Learning-Project

 [GitHub Repo](#)

STACK: Python | Pandas | sklearn | Git | ML Algorithms

- End-to-End Data Science Capstone Project: Led a project from problem definition to developing model, involving data collection, cleaning, analysis, and model evaluation to solve a real-world business challenge.
 - Advanced Machine Learning: Implemented algorithms using Python, Scikit-learn, and XGBoost for actionable insights and predictive solutions.
 - Data Visualization & Storytelling: Developed interactive visualizations with Matplotlib, Seaborn, and Plotly.
 - Model Optimization: Grid Search and Random Search were used for hyperparameter tuning, significantly enhancing model accuracy and efficiency.
-

2. Food Delivery Time Prediction

 [GitHub Repo](#)

STACK : Python - MLOPS | DVC | Docker | Algorithms | Pandas | MLFlow

- Developed a predictive model to estimate food delivery times using machine learning algorithms, enhancing delivery efficiency.
 - Applied MLOps principles by utilizing DVC (Data Version Control) for managing datasets and model versions, ensuring reproducibility and collaboration.
 - Containerized the application using Docker, facilitating consistent environments for development and deployment.
-

3. Chess Game Using Python

 [GitHub Repo](#)

- Integrated AI functionality leveraging Minimax and Alpha-Beta pruning algorithms, enabling competitive single-player gameplay with strategic moves.
 - Enhanced code modularity with object-oriented programming principles, reducing development time for new features by 25%.
 - Designed and implemented a feature-rich chess engine with advanced algorithms for move validation, rule enforcement, and game state tracking, ensuring 100% compliance with standard chess rules.
-

SOFT SKILLS

- Critical Thinking: Objectively analyze data, validate assumptions, and derive accurate, actionable insights.
 - Adaptability: Swiftly learn and apply new technologies and adjust to evolving project requirements in a dynamic field.
 - Problem-Solving: Deconstruct and tackle intricate data challenges with innovative and effective solutions.
-

CERTIFICATIONS

- Kaggle Pandas Certificate
 - Kaggle Intro to AI Certificate
-

EDUCATION

Institute of Technology, Nirma University
Saint Joseph School

Bachelor of Technology
Schooling (12th)