Arjun Lakhanpal

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Objective

AI/ML enthusiast with strong Python and data analysis skills, focused on building intelligent systems and exploring LLMs. Seeking opportunities in Data Science and AI/ML Engineering to drive innovation through artificial intelligence.

Education

Guru Gobind Singh Indraprastha University New Delhi, India
Bachelor's in Electronics and Communication Engineering (Minor in Computer Science Engineering)
Oct 2022 - Feb 2026 **CGPA: 7.56**

Coursework: Machine Learning, Operating Systems, Computer Networks, Digital Image Processing, Control Systems, Embedded Systems, VLSI Design, Signal Processing, Electromagnetics.

Experience

AICTE IDEA LAB (Internship)
June 2024 - August 2024

Developed and integrated a saline-level monitoring system with hospital management software using Python for data analysis and alerting in infusion monitoring.

Projects

1.Iris Flower Classification - Machine Learning Model

- Classified Iris flowers (Setosa, Versicolor, Virginica) with 95% accuracy using ML (Python, Scikit-learn) based on botanical features. **Languages Used**: Python, NumPy, Pandas, Scikit-learn, Matplotlib.

2. Metaverse Gaming Platform

- Built a Metaverse Gaming Platform enabling immersive multiplayer experiences and digital asset interaction. **Languages Used**: TypeScript, JavaScript, HTML, CSS, and WebGL.

3. Solana Transaction History Generator

- Developed a tool to fetch and display the latest 10 Solana transactions using a primary RPC API, supporting mainnet and devnet with robust error handling. **Languages Used**: TypeScript, JavaScript, and Rust.

Technologies

Languages:	Python, JavaScript, Java, TensorFlow, PyTorch, SQL.
Frameworks/Libraries:	Django, NodeJS, React.js, Scikit-learn, OpenCV, Matplotlib, XGBoost, Transformers.
Tools:	Docker, Google Colab, Google Cloud Platform (GCP).
Specialization:	Generative AI (GenAI), NLP, LLMs.
Platforms:	Web, Windows.

Certificates

1. Machine Learning Certifications

- **Udemy**: Machine Learning: AI, Python. **freeCodeCamp**: Machine Learning with Python – Covers core ML concepts, AI, Python, and machine vision.

2. Coursera - Neural Networks and Deep Learning (DeepLearning.AI)

- Learned deep learning foundations, CNNs, RNNs, and backpropagation under Andrew Ng.

3. IIT Bombay – LINUX Certification

- Gained proficiency in Linux system usage, basic administration, and shell scripting.