Aryan Dahiya

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Objective

A highly motivated AIML student seeking an internship to apply practical skills in deep learning, computer vision, and Python. Eager to contribute to the development of advanced neural networks, document experimental processes, and learn from a fast-paced environment.

Education

Chandigarh University, BE in Computer Science — July 2024 – May 2028

- CGPA: 9.02/10.0

Experience

Internet of Things (IoT) Intern | *Tools Used: Arduino, ESP32, PCB Design* — Aug 2025 – Sep 2025

IEEE RAS (Remote)

- Improved sensor data reliability by 35% by redesigning PCB layouts and optimizing hardware connections
- Reduced real-time monitoring latency by 25% by implementing efficient wireless communication protocols
- Processed 1,000+ daily IoT data logs to enable continuous remote performance tracking

AI Virtual Intern (PBEL) | *Tools Used: Python, Pandas, Scikit-learn* — Jun 2025 – Jul 2025

IBM (Remote)

- Increased model prediction accuracy from 72% to 87% through feature engineering and hyperparameter tuning
- Reduced preprocessing time by 30% by automating data cleaning pipelines in Python
- Analyzed 10,000+ structured records to derive actionable insights for classification tasks

Projects

Tweet Emotion Recognition using Bidirectional LSTMs (GitHub) — Oct 2025 – Nov 2025

- Engineered a Bidirectional LSTM (Bi-LSTM) neural network to classify emotions on real-world Twitter data
- Refined text preprocessing and embedding workflows using NLTK and GloVe, boosting model semantic context
- Evaluated performance with accuracy, precision, recall, and F1-metrics to ensure robust predictions
- Tools Used: Python, PyTorch, NLTK, GloVe, Pandas

Smart Attendance System (GitHub) — Jul 2025 – Aug 2025

- Designed an attendance system using OpenCV and Python that recognizes faces with high accuracy
- Integrated the LBPH algorithm and Haar Cascade classifiers to elevate detection precision
- Automated attendance tracking by logging recognized entries into an SQLite database
- Tools Used: Python, OpenCV, LBPH, Haar Cascade, SQLite

Technologies

Languages: Python, C++, C, JavaScript, SQL

AI/ML: Machine Learning, Deep Learning, NLP, OpenCV, PyTorch, Transformers, Pandas

Tools & Platforms: Git, GitHub, VS Code, Linux, Arduino, ESP32

Awards & Certifications

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate – Oracle (Sep 2025)

Machine Learning – Columbia University (Aug 2025)

Fundamentals of Deep Learning – NVIDIA (Jul 2025)