SUNNY YADAV

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Summary — AI/ML enthusiast with a strong foundation in deep learning, computer vision, and cloud-based data solutions. Experienced in building and optimizing machine learning models, developing deep learning architectures, and working with cloud platforms like Azure. Passionate about leveraging AI for real-world applications in image processing, predictive analytics, and automation.

Skills

Languages	Python, C/C++	**Cloud Computing**	Microsoft Azure, AWS
Machine Learning	SVM, K-Means, Gradient Boosting, PCA	**Databases**	MySQL, Oracle, Apache Hadoop
Deep Learning	CNNs, LSTM, GANs, PyTorch, LLMs	**Azure**	Azure Machine Learning
Computer Vision	OpenCV, Mediapipe, scikit-image, ImageAi	**Data Analytics**	Tableau, Python, Apache Spark

Experience

PERSONIFWY **Aug – Sept 2023**
Data Science Intern (Remote)

- Identified, analyzed and interpreted trends in complex data sets using machine learning techniques.
- Optimized machine learning models enhance prediction accuracy by up to 20% and improve performance speed by 30%, utilizing advanced algorithms and fine-tuned hyperparameters.

Learnwik Solutions Pvt Ltd. **July – Aug 2023**
Artificial Intelligence Intern (Remote)

- Evaluated the performance of various classifier algorithms, selecting those with optimal results for specific use cases.
- Refined testing protocols for neural network architectures, systematically adjusting parameters and optimizing training techniques; achieved a 40% reduction in training time, allowing for model improvements.

Education

Guru Jambheshwar University Of Science & Technology, Hisar **Oct 2021 - Jul 2025**
B.Tech in Computer Science & Engineering (Specialization**:** AI & ML)
Minors : Data Science ; Cloud Computing

Certifications

- Microsoft Certified - **Azure Data Fundamentals (DP - 900)**
- Certificate Of Excellence - **Machine Learning Professionals**

Projects

Image Generation Using GANs: **November 2024**

Technologies: PyTorch, Tensorflow, GANs, Deep Learning

- **Advanced GAN Architecture:**
  Created a sophisticated Generative Adversarial Network (GAN) that leverages deep learning techniques to produce high-quality, realistic images. This innovative architecture enhances the generator's ability to create diverse outputs.
- **Impressive Output Quality:**
  Achieved remarkable results with the GAN, generating photorealistic images that closely resemble the training dataset.

Face Recognition Using CNNs: **October 2024**

Technologies: OpenCV, Tensorflow, CNN, Transfer Learning

- **Innovative CNN Design:**
  Developed a robust Convolutional Neural Network specifically for face recognition, utilizing advanced techniques like transfer learning and data augmentation to enhance feature extraction and improve accuracy.
- **Real-Time Performance :**
  Achieved exceptional real-time face recognition capabilities, integrating the model into applications with minimal latency.

Hand Tracking Volume Control Using Computer Vision: **September 2024**

Technologies: OpenCV, Mediapipe, Python

- **Cutting-Edge Hand Tracking Algorithm:**
  Developed an advanced computer vision system for real-time hand tracking, utilizing techniques like contour detection and feature extraction to accurately identify hand movements.