

# ADITYA SINGH

Bangalore, Karnataka, India

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## EDUCATION

**Dayananda Sagar College of Engineering**  
*B.E. (ISE) — CGPA: 9.3*

**May 2022 – May 2026**  
*Bangalore, Karnataka*

## EXPERIENCE

**Nokia**

*Machine Learning Intern*

**April 2025 – Present**

*Bangalore, Karnataka*

- Developed Industrial OT Text Dataset for LLM Fine-tuning from industrial documents, product guides, service manuals, and standards. Covered a diverse range of topics in networks, manufacturing, logistics, mining, and related verticals.

## PROJECTS

### Deepfake Image Detection

- Developed a CNN-based model to detect deepfake images using the deepfake-faces dataset from Kaggle.
- Achieved 83.62% accuracy with 0.7588 loss on test set, processing 100 samples in 14s (141ms/step).
- Optimized model training using GPU acceleration (T4 x2) with a runtime of 30m 5s.
- Tech Stack:** Python, TensorFlow, OpenCV, NumPy, Pandas, GPU Acceleration.

### Face Aging Using Conditional GAN

- Built a GAN-based pipeline to generate aged versions of children's faces using Conditional GAN architecture.
- Trained for 50 epochs with final generator loss of 5.9297 and discriminator loss of 0.0082, achieving stable convergence.
- Received a **Bronze Medal on Kaggle** with **12+ upvotes**.
- Tech Stack:** Python, TensorFlow, OpenCV, Matplotlib, GANs, Kaggle.

## ACHIEVEMENTS

### **Kaggle Notebook Expert**

*Global Rank: 3,398 of 57,792 — Highest Rank: 3,321*

**Ongoing**

- Achieved **5 Medals** for high-quality technical content and analysis.

### **Sandbox 2025 Cybersecurity Hackathon**

*Top 10 Finalist — Dayananda Sagar College of Engineering (CSE - Cyber Security)*

**March 2025**

- Secured a position in the **Top 10** among 100+ participants. (Certificate Link)

### **LeetCode**

*Max Rating: 1759 — Global Rank: 62,252*

**Ongoing**

- Secured **Global Rank 511** in Weekly Contest 442.

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, Java, SQL, HTML/CSS

**Machine Learning & AI:** Deep Learning, Neural Networks, GANs, CNN, NLP, Computer Vision, Data Analysis, RAG Architecture

**ML Frameworks & Libraries:** TensorFlow, PyTorch, scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, Hugging Face Transformers

**Developer Tools:** GitHub, Kaggle, Hugging Face, Gradio, VS Code, Jupyter Notebook, Docker

**Cloud & Deployment:** Hugging Face Spaces, Kaggle, GPU Acceleration

**Soft Skills:** Problem Solving, Technical Documentation, Open Source Contribution, Team Collaboration

## CERTIFICATIONS

- Data Mining (NPTEL Online Certification) - IIT Kharagpur — Score: 57% — Jan-Mar 2025