

ABHINAND S

AI & Data Science Student | Machine Learning Enthusiast

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[GitHub – abhinands105](#) • [Portfolio](#)

SUMMARY

B.Tech Artificial Intelligence & Data Science student with expertise in Deep Learning, Computer Vision, and Generative AI. Skilled at building end-to-end machine learning solutions, from dataset preprocessing to deployment. Experienced in CNN, LSTM, and GAN-based architectures, with a strong focus on real-time systems and MLOps workflows. Passionate about applying AI to solve real-world challenges.

TECHNICAL SKILLS

- Programming: Python, SQL, Bash
- Frameworks & Libraries: PyTorch, TensorFlow, Scikit-learn, OpenCV
- Databases: PostgreSQL, SQLite
- MLOps & Tools: Docker, MLflow, FastAPI, Streamlit, Git, Google Colab, Jupyter Notebook

PROJECT & EXPERIENCE

- Specialties: CNN, LSTM, Transformers, Generative AI, Computer Vision, Data Analysis
MES College of Engineering, Kuttippuram – *AI & Data Science Student*
Oct 2022 – Present
- Violence Detection Using CNN + LSTM (Dec 2024 – Feb 2025) Achieved 92% accuracy on RWF-2000 dataset for real-time violence detection in surveillance videos. Integrated Telegram alerts and implemented robustness testing for lighting, blur, and speed variations.
- Prompt-to-Cartoon/Sketch Generator (Jul 2025 – Present)
Designed an offline text-to-image pipeline using Stable Diffusion XL and GAN stylizations (CartoonGAN, AnimeGAN). Built a Gradio interface for real-time style selection and output generation.
- Completed industrial AI training via Agratas EduTech, focusing on applied ML workflows, deployment, and MLOps best practices.

EDUCATION

B.Tech – Artificial Intelligence & Data Science
MES College of Engineering, Kuttippuram
APJ Abdul Kalam Technological University, Kerala
Oct 2022 – May 2026

CERTIFICATIONS

- Dataiku: Advanced Designer, Core Designer, ML Practitioner, Generative AI Practitioner
- Python for Data Science – NPTEL
- IBM: Data Analysis with Python, Data Visualization with Python
- R Programming for Beginners – Simplilearn
- Artificial Intelligence – Agratas EduTech
- Data Science with Scala – IBM