

# NIYAS NOWSHAD

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## OBJECTIVE

Computer Science Engineer and M.Tech Researcher specialized in Deep Learning and Image & Video Processing. Currently architecting privacy-preserving frameworks using Generative Adversarial Networks (GANs) to automate high-fidelity face anonymization. Proven expertise in bridging the gap between complex data and real-world utility through hands-on AI hardware integration and computer vision development.

## EDUCATION

### M.Tech in Computer Science & Engineering

Mar Baselios College of Engineering and Technology, Trivandrum, India

2025-2027

Focus: Specialized research in Deep Learning and Image & Video Processing.

### B.Tech in Computer Science & Engineering

Rajadhani Institute of Engineering and Technology, Trivandrum, India

2021-2025

Academic Performance: Graduated with a CGPA of 7.6.

### High School (Computer Science Major)

Sunrise English Private School, Abu Dhabi, UAE

2019-2021

Academic Performance: Completed with an 88.8% aggregate.

## SKILLS

AI & Research	Deep Learning (GANs), Computer Vision, Image & Video Processing, Machine Learning.
Programming	Python, Java, C, MySQL.
Libraries	OpenCV, NumPy, Pandas, Matplotlib.

## EXPERIENCE

### Graduate Researcher

M.Tech Thesis

Sept 2025 - Current  
Trivandrum, Kerala

- **Project:** Face Anonymization using Generative Adversarial Networks (GANs).

- **Scope:** Designing a GAN-based framework to automate face de-identification in video streams while preserving essential non-identity attributes like expression and pose.

### Machine Learning Intern

Aican Automate

Oct 2022 - Nov 2022  
India

- Engineered automated data preprocessing pipelines using Pandas and NumPy, reducing manual data cleaning time by 20%.
- Collaborated with a cross-functional team of data scientists and engineers to deploy ML systems.

## PROJECTS

**AI Voice Assistant (Raspberry Pi 4, LLaMA 3, Python)** Engineered an edge-AI assistant that leverages local LLM processing for intelligent, real-time voice responses.

**AI Lens (Python, OpenCV, Machine Learning)** A Python-based computer vision project that leverages machine learning to perform advanced image and video analysis tasks.

**Personal Portfolio** A custom-built site highlighting academic growth and technical expertise in Python and AI