

ANTO EDISON

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CAREER OBJECTIVE

Aspiring AI/ML Engineer with a strong foundation in developing scalable and efficient machine learning models. Skilled in data preprocessing, model training, and deep learning frameworks, with a passion for optimizing performance and integrating AI solutions into real-world applications.

EDUCATION

B.E. Computer Science (Artificial Intelligence) **2023 - Current**
Sathyabama Institute Of Science And Technology — CGPA: 8.7/10 *Chennai*

Higher Secondary Education **2021 - 2023**
Sacred Heart Convent — 88% *Villupuram*

Secondary Education **2019 - 2021**
Sacred Heart Convent *Villupuram*

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Database Management Systems
- Machine Learning
- Object-Oriented Programming
- Generative AI
- Backend Development
- Deep Learning
- Computer Vision
- Web Technologies
- Cloud Computing
- Prompt Engineering

INTERNSHIP

GenAI – Virtusa Consulting Services Private Limited **June 2025 – August 2025**

- Developed AI-powered solutions including chatbots, RAG applications, and knowledge-based agents, leveraging **LangChain** for agent orchestration and information retrieval.
- Designed and implemented the **Resolution Recommender**, an AI system for IT helpdesk ticket resolution, integrating retrieval-augmented generation (RAG) for accurate query responses.
- Gained hands-on experience in building AI agents, integrating vector databases, and implementing context-aware conversational workflows.

PROJECTS

Deepfake Detection System **2024**

- Developed an AI-powered system to detect face-swap-based **deepfake videos**, addressing concerns related to misinformation, media manipulation, and security threats. The system employs **deep learning** models to analyze facial features and identify synthetic alterations.
- Integrated the trained model into a **Django**-based web application, ensuring a seamless user experience for uploading and analyzing videos.

Task Manager **Jan 2025 - March 2025**

- Designed and implemented a full-stack task management system that allows users to create, prioritize, and track tasks efficiently.
- Developed a well-structured **PostgreSQL** database, optimizing query performance and ensuring efficient data retrieval. Integrated authentication and authorization mechanisms to provide secure access.

Hand Gesture Controlled Rover **Jan 2024 - April 2024**

- Developed a rover that responds to real-time **hand gestures** detected via a webcam, enabling intuitive, hands-free control. Utilized **OpenCV** and **Mediapipe** to recognize movements and transmit commands wirelessly.
- Implemented a robust communication system using **WiFi**, optimizing signal processing and response time for smooth navigation.

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, HTML/CSS

Developer Tools: VS Code, Git, Firebase, Supabase, n8n

Technologies/Frameworks: Django, OpenCV, TensorFlow, Mediapipe, MATLAB, PostgreSQL, NodeMCU, LangChain, LangGraph, Streamlit

AI/ML Concepts: Retrieval-Augmented Generation (RAG), Prompt Engineering, Context Engineering, Agent Workflow, Google Generative AI, FAISS

SOFT SKILLS

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|-------------------|---------------------|-------------------|
| • Problem-Solving | • Communication | • Time Management |
| • Teamwork | • Adaptability | • Creativity |
| • Leadership | • Critical Thinking | • Decision Making |

ACHIEVEMENTS

- Finalist in MCS S1 Skill League, Microsoft Club event
- NPTEL Java Certification – Oct 2024 — IIT Kharagpur — 70% (Elite)
- Selected for Technical Team in Microsoft Club
- Participated at the state level in football and four track and field events.