

# Ajay Anand S

☎ (+91) 63697 15294 — ✉ [ajay12071911@gmail.com](mailto:ajay12071911@gmail.com) — 🌐 Portfolio — 🐙 GitHub — 🔗 LinkedIn  
📍 Ondipudur, Coimbatore

AI/ML Intern GenAI, IoT & Safety Systems — Real-world AI Solutions.

## EDUCATION

### Integrated M.Sc Artificial Intelligence and Machine Learning

Oct 2021 – May 2026

Coimbatore Institute of Technology

CGPA: 7.00 (Till 7th Semester)

*Key Courses:* Machine Learning, Deep Learning, Computer Vision, IoT Systems, Natural Language Processing, GenAI

## SKILLS

- **Languages:** Python, HTML, JavaScript, MySQL
- **Tools:** Tkinter, NetworkX, Matplotlib, Scikit-learn, Hugging Face Transformers, LangChain, OpenAI API, Gradio
- **Concepts:** ML, LLMs, GenAI, IoT, Data Analysis, Safety Systems
- **Soft Skills:** Leadership, Communication, Creative Thinking, Quick and Deep Analysis, Practical Self-Learner

## EXPERIENCE

### Software Developer Intern (GenAI)

Maxbyte Technologies — 6 Months

Coimbatore, India

- Developed an AI-powered summary generation tool using Groq LLM, delivering real-time insights from live shift data.
- Deployed a facial recognition-based attendance system, reducing manual logging errors by over 80%.
- Streamlined predictive reporting by integrating GenAI pipelines with existing industrial dashboards.

## PROJECTS

### Roast-Master – Generative AI Chatbot

- Architected a transformer-based GenAI chatbot that delivers real-time humorous roasts with over 90% sarcasm relevance.
- Customized and optimized an open-source LLM using 2K+ tailored prompts and dialogue samples to enhance wit consistency.
- Accelerated response generation to sub-1.5 seconds through advanced token caching and streamlining.

### #Minee – AI Smartwatch Prototype

- Designed a real-time threat-detection AI smartwatch leveraging multi-sensor fusion for emergency classification.
- Implemented precision-tuned ML models achieving 92% alert accuracy in varied threat simulations.
- Validated on embedded platforms with a 25% drop in false positives after iterative calibration.

### Smart Helmet for Civic Safety

- Directed a team of 4 to build an IoT helmet that disables vehicle ignition under unsafe rider conditions.
- Piloted in collaboration with the Coimbatore Traffic Commissioner's office for field-level testing.
- Achieved full ignition lock reliability and 85% alcohol detection precision in real-world trials.

### Customer Sentiment Analysis System

- Developed a scalable sentiment classifier using SVC and Random Forest, trained on 10K+ reviews.
- Empowered business clients with visual dashboards, reducing manual feedback processing by 60%.
- Delivered 88% prediction accuracy and 85% F1-score, enhancing CX-driven decision-making.

## ACHIEVEMENTS

- Published research paper titled "*Machine Learning: The Branch of AI*" at ICAC-2022, Bharathiar University.
- Finalist in Technovation Project Competition organized by Anna University.
- Delivered a working smart helmet prototype in collaboration with the City Traffic Commissioner's office.
- Participated in Sensor Integration & Interface Workshop at PSG College of Technology.

## CERTIFICATIONS

- Introduction to AI & ML – Springboard Infosys
- Life Skills & Professional Skills – BYU Pathway
- Sensor Integration & Interface – PSG College
- Technovation Project Competition – Anna University

## INTERESTS

AI for Safety • GenAI • IoT Prototyping • Visual Analytics • Videography • Video Editing • Blender • DaVinci Resolve • Cooking • Basketball