

RITIK TYAGI

AI Engineer

☎ +91 9760271667 ✉ ritiktyagiai@gmail.com 📁 Portfolio 🔗 LinkedIn 🐙 GitHub 📍 Ghaziabad, India

EXPERIENCE

AI Engineer Intern | Internship

May 2026 - Present

Pictorial Sapphire

On-site • Noida

- Developed **RankMind AI**, an AI-powered SEO intelligence platform that analyzed **500+ competitor websites** to generate **50+ high-impact keyword recommendations** using machine learning.
- Built ML-based data processing and keyword recommendation pipelines in Python, helping achieve **#1 Google ranking for branded company searches** and improve search visibility.
- Contributed to approximately **2× growth in organic website traffic**.

Technologies / Skills Used : Python, FastAPI, Git, GitHub, Docker, AWS

PROJECTS

AI CCTV Intelligence System | 🐙 Github

Mar 2026

MLH Hackathon Project

- Engineered an AI-powered CCTV Intelligence System featuring **5+ modules** for video ingestion, frame extraction, event detection, semantic search, and investigation timelines.
- Developed FastAPI REST APIs and a Streamlit dashboard to support **3+ video formats** for AI-driven video analysis, event search, and automated summaries.
- Constructed a AI pipeline that transformed CCTV footage into **searchable, timestamped investigation timelines**, significantly reducing manual video review time.

Technologies / Tools Used : Python, FastAPI, Streamlit, OpenCV, Gemini Vision API

SKILLS

Programming Fundamentals :	Data Structures and Algorithms, OOPS, DBMS, OS
Programming Languages :	Python, SQL, Java, C
AI & Machine Learning :	Machine Learning, Deep Learning, Large Language Models (LLMs), Transformers, RAG, Prompt Engineering
Frameworks & Libraries :	FastAPI, LangChain, LangGraph, Hugging Face Transformers, Stream-lit, Numpy, Pandas, Scikit-learn, Pytorch, Seaborn
Databases :	MySQL, MongoDB
Tools & Platforms :	Linux, CI/CD, LangSmith, VS Code, Jupyter Notebook, Git, GitHub
Cloud & Deployment :	Docker, REST APIs, AWS(EC2)
AI Security :	Secure AI Systems, Prompt Security, AI Supply Chain Security, Data Poisoning

EDUCATION

IMS Engineering College | Ghaziabad

Sep 2023 - Sep 2027

B.Tech CSE

CGPA : 8.7/10

Dev Memorial Public School | Meerut

Apr 2021 - Jul 2022

Senior Secondary (Class XII)

Aggregate Score : 91.6%

CBSE Board (PCM)

AWARDS & ACHIEVEMENTS

- Winner**, MLH Build with Gemini Hackathon for developing an AI-powered CCTV Intelligence System.
- Ranked **113th among 5,000+ contributors** in Social Summer of Code (SSoC).
- Selected as a **Google Student Ambassador**, promoting Google technologies and AI initiatives.
- Completed **Google AI & ML Virtual Internship**, gaining hands-on experience with AI and Google Cloud.
- Built a cybersecurity-focused **YouTube channel with 2,000+ subscribers** and educational content on ethical hacking and cybersecurity.

CERTIFICATIONS

- Machine Learning Specialization** | DeepLearning.AI & Stanford Online (*Andrew Ng*)
 - Introduction to AI and Machine Learning on Google Cloud** | Google Cloud Skills Boost
 - Generative AI** | Google Cloud Skills Boost
 - Prompt Engineering Foundation Professional Certification (CPEFPC™)** | CertiProf
 - LFW111** | The Linux Foundation
 - AI for Everyone** | DeepLearning.AI
- Additional:** Completed **40+ certifications** from Google, DeepLearning.AI, Google Cloud Skills Boost, Meta, HackerRank and CertiProf.