

# Piyush Kumar

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 portfolio/aipiyushkumar0707

## EDUCATION

<b>Bachelor of Technology in Artificial Intelligence and Data Science</b> Guru Gobind Singh Indraprastha University, East Delhi Campus   CGPA: 7.179 / 10	2022 – July, 2026
<b>Spring Meadows Public School, New Delhi</b> Class XII: 80%   Class X: 78%	2019 – 2022

## SKILLS

- Technical Skills:** Agentic AI, Generative AI, RAG, Machine Learning, Deep Learning, Natural Language Processing, MCP Server, LLMs, Fast API
- Programming Languages:** Python, C++, Go Lang, PostgreSQL
- Libraries/Tools:** TensorFlow, PyTorch, Scikit-learn, Seaborn, NLTK, Langchain, LangGraph, Pandas, NumPy, Matplotlib, Seaborn, NLTK, LangChain, Langflow, Streamlit, Flask, Power BI, Git, AWS, Render
- Other Skills:** UI/UX Designing, Presentation, Leadership

## EXPERIENCE

<b>Gen AI Intern, Ernst &amp; Young, On-Site</b>	(July 2025 - Oct 2025)
• Architected an end-to-end NLP pipeline and RAG-based retrieval system, improving information accessibility for 15+ research team members.	
<b>Machine Learning Intern, Defense Research &amp; Development Organization, Hybrid</b>	(June - July 2025)
• A multi-agent reinforcement learning combat simulation with a PyQt5 GUI to train and visualize autonomous agents learning adaptive battlefield strategies.	
<b>Data Analyst Intern, IBM Skillbuild, Remote</b>	(June - August 2024)
• Data Analytics program covering Python/Excel-based analysis, data visualization, and project work with mentor feedback.	

## PROJECTS

<b>Bloom - Menopause Health Wellness Assistant</b>	 GitHub
• An personalized, multi-agent AI wellness app for menopause support using React Native for the cross-platform mobile UI. The backend leverages a Python Flask server with LangChain and Google Gemini for intelligent, tailored health advice.	

<b>LIVETRUTH: Real-Time Misinformation Detector</b>	 GitHub
• Streamlined an Agentic AI architecture with RAG (Retrieval-Augmented Generation), featuring a dynamic knowledge base that scrapes and searches across 10+ sources using Firecrawl to assess reliability and generate confidence-based scores.	

<b>INSPIREHER: AI Startup Guide for Women</b>	 GitHub
• An AI-driven platform built to support rural women entrepreneurs through an AI chatbot, phone call assistance, and multilingual accessibility.	

<b>ACHIEVEMENTS</b>	
• <b>2nd Place Inter-National Winner</b> – First Runner-Up at the IMC Open Gateway Hackathon 2025.	
• <b>4th Place National Winner</b> – TruthTell Hackathon and presenting the solution at the WAVES Summit 2025.	
• <b>Top 50 Global Winner</b> – IBM TechXchange Hackathon 2025.	
• <b>EY Techathon 5.0 Finalist</b> – Ranked among the top 11 teams nationally out of 150,000+ participants in EY Techathon 2025.	
• <b>Amazon Sambhav Hackathon Semi-Finalist</b> – Ranked in the top 137 out of 107,000+ participants.	