

Amodit Yadav

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EXPERIENCE

Media Team

AWS Club, University School of Automation and Robotics

11/2024 – Present
New Delhi

- In-charge of the photos/videos being taken at college events.
- Collaborating with editors and social media team for editing and posting.

Summer Intern

Inadev India

06/2025 – 08/2025
Hybrid, Noida

- Developed a multi-agent AI platform that delivers actionable business intelligence across recruitment, market analysis, and lead generation-built using LangGraph and powered by Google Gemini.
- Talent Scout Agent: Identifies and summarizes qualified candidates from publicly available sources.
- Company Intelligence Agent: Compiles reports on hiring trends, reputation, and competitive landscape.
- Executive Lead Generation Agent: Surfaces C-level prospects and provides context-rich insights to support outreach.

EDUCATION

B.Tech in Artificial Intelligence and Data Science - 8.1 CGPA (till current semester)

University School of Automation and Robotics, GGSIPU

08/2023 – 06/2027
New Delhi

CBSE Class 12th PCM with CS

The Air Force School Subroto Park

04/2010 – 04/2023
New Delhi

TECHNICAL SKILLS

Languages

Python, C/C++

AI/ML Libraries

PyTorch, LangChain, LangGraph, pandas, NumPy, scikit-learn, Matplotlib, Seaborn, Monai

Developer Tools

Google Cloud Platform, VS Code, Git & GitHub, PyCharm, IntelliJ

Concepts

Machine Learning Fundamentals, RAG, Multi-Agent Systems, Data Structures & Algorithms, Deep Learning

PROJECTS

Jan-Contract: AI-Powered Legal Assistant

Python, LangChain, LangGraph, Streamlit, Google Gemini, FAISS

- Architected a multi-agent analytical pipeline using LangGraph to demystify complex legal documents, performing sequential summarization, key term extraction, and web-augmented enrichment via Tavily AI.
- Engineered a Retrieval-Augmented Generation (RAG) system with FAISS vector stores and FastEmbed to enable interactive, natural language Q&A sessions with user-uploaded documents.
- Developed a zero-shot LangChain agent powered by Google Gemini to convert informal, natural language requests into structured, formatted digital agreements in a downloadable PDF format.
- Integrated real-time voice interaction (Speech-to-Text/Text-to-Speech) and developed a video consent module using streamlit-webrtc to enhance accessibility and establish undeniable proof of assent.

Liver Segmentation on CT Scans using SwinUNETR (MONAI)

Python, PyTorch, MONAI, Streamlit, HuggingFace Spaces

- Performed full **data cleaning and preprocessing** on the MSD Task03 Liver dataset
- Designed a **3D SwinUNETR** model (transformer-based U-Net) and trained it **locally for 160 epochs** on an RTX 3060 12GB workstation
- Achieved a **Dice score of 95.6%** on completely unseen test cases
- Built a **full interactive inference application** in Streamlit, supporting 3D visualization
- <https://huggingface.co/spaces/Amodit/Monai-Liver-Segmentation> ↗

