

# AMAR CHOUDHARY

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github.com/AmarBackInField

## Education

**Indian Institute of Technology Roorkee**

**Oct. 2022 – May 2026**

*Bachelor of Technology, CGPA-7.067/10*

*Roorkee, Uttarakhand*

## Relevant Coursework

- Agentic AI
- Generative AI
- LangChain
- LangGraph
- Mathematics
- Machine Learning
- Deep Learning
- NLP

## Experience

**Drizz AI**

**October 2024 – November 2024**

*Data Scientist Intern*

- Developed a system that converts natural language commands into Android Debug Bridge (ADB) commands by utilizing the text, image and XML files used by the backend of the Android system
- Utilized a Gemini Pro and the Llama Index framework.

## Projects

**A.Replicate** | *Crew AI, Python, LangChain, Gemini*

**March 2025**

- Developed an AI-powered website builder application using React, Tailwind CSS, and Framer Motion Animation by utilizing Multi-Agents together to streamline and automate web development workflows efficiently.
- Automatically generates a fully functional, responsive, and visually appealing website in one click based on user requirements and extracted information from PDFs, ensuring efficiency and accuracy..
- Implemented end-to-end automation, from initializing a React project to structuring, optimizing, and pasting code into the appropriate directories, ensuring seamless deployment.

**Youtube Videos Blogger** | *Python, Crew AI, Gemini*

**March 2025**

- Developed an AI-powered YouTube video summarization tool and blog creator using Multi-Agents that automatically extracts key insights, eliminating the need to watch entire videos.
- Engineered a multi-agent system with specialized AI roles (Transcript Summarizer, Blog Writer, and Gmail Drafter) to transform video content into polished blog posts.
- Implemented bulk email capabilities allowing users to distribute generated content to unlimited recipients simultaneously, streamlining content distribution workflow.

**Movie Mind - AI Movie Recommendation System** | *Python, React, AstraDB, Gemini Pro*

**Jan 2025**

- Scraped and processed data for 20,000 movies, extracting rich features such as title, genre, cast, synopsis, storyline, posters, streaming links, and ratings for comprehensive analysis.
- Built an intelligent movie recommendation system that suggest movies by understanding users' tastes through natural language input for personalized movie suggestions.
- Integrated a user-friendly React frontend with "Watch Now" and "Download" buttons for seamless user experience. Deployed the full-stack application using Vercel and AstraDB, ensuring high availability and scalability.

**Yamlify - Yaml Generator** | *Python, LangChain, Gemini Pro, ChromaDB*

**Feb 2025**

- Developed an AI-powered solution for Spheron Network that transforms natural language into precise Spheron Infrastructure Composition Language (ICL) YAML configurations, eliminating the complexity of manual GPU setup and reducing configuration time by up to 70%.
- Engineered a context-aware validation system that prevents misconfiguration errors in real-time by validating against Spheron's ICL specifications, ensuring optimal GPU resource allocation and deployment stability.
- Created a context-aware chat interface for easy GPU configuration modifications, making Spheron infrastructure management accessible to all skill levels.

## Technical Skills

**Languages and Tools:** Python, Pytorch, Tensorflow, Langchain, Llama Index, Vector Databases, SQL

**Developer Tools:** VS Code, Google Colabs, Anaconda, Amazon AWS

**Technologies/Frameworks:** Kaggle, GitHub, LinkedIn

## Achievement / Extracurricular

**American Express Campus Challenge**

**Spring 2024**

- Secured 1st rank in the initial rounds of the American Express Campus Challenge 2024, demonstrating strong problem-solving and analytical skills.