

Hritij Rana

Delhi, IN | +91 9122346494 | hritijrana07@gmail.com | [GitHub](#) | [LinkedIn](#)

EDUCATION

Netaji Subhas University of Technology (Bachelor of Technology 2024)

New Delhi

Mathematics and Computing

- Relevant Courses: Data Structure, Python programming, Computer Networks, DBMS, OOP, Machine Learning

WORK EXPERIENCE

Softage.ai

Gurugram

Prompt Engineer

June -November

- Cleaned video data for Video Pre-Training. Created expert labelled video data for AI Agent to train on.
- Scrapped websites for video data using Python libraries while adhering to legal and ethical guidelines, including respect for website terms of service and data privacy laws. Training models on YouTube data is not a secret anymore.
- Crafted action-based prompts for imitation learning.

CodeChef

Remote

Problem Setter

- Reviewed data structure and algorithm problems, ensuring a range of difficulty and do-ability for competitive programmers.
- Crafted test cases and edge cases, validating robustness of problems so that it meets website standard.
- Collaborated with a team of experienced problem setters to refine problem statements and solutions. Wrote detailed explanation and solution with least time and space complexity.

PROJECTS

[NameR : Gemini Nano Powered File Downloader](#)

November 2024

- **Problem:** Imagine, you download a pdf file, but instead of meaningful filename, you're greeted with filenames such as document(5).pdf, new(1).pdf or some absurd name like 2020abc123.pdf. Frustrating, isn't it? Now picture sifting through hundreds of such files, struggling to find what you need, wasting precious time.
- **Approach:** Built a Gemini Nano powered Chrome extension that replaces your boring 'Save As' dialogue box with a stylish UI popup. It analyzes your file content and suggests a meaningful filename. Since privacy is a major concern here, we have utilized Google's on-device AI. LLM runs locally but highly dependent on your system.
- **Tools:** HTML/CSS, JS, Gemini Nano

[Automated Video Cleaning for VPT Model Training](#)

June 2024

- **Problem:** Being in the operations-AI industry for a while I have realized that video cleaning is a tiresome task. One of the steps involved in video cleaning is to timestamp relevant portion of the video which can be used to train AI Agent. This is done manually by watching the video. I've tried to automate this leveraging LLM.
- **Approach:** Fine-tuned LLM to predict timestamps of relevant segments in the video. This video segment is then sent to train a VPT (video pre-training) model.
- **Tools:** API docs, Fine-tuning using APIs, Dataset creation, Instruction tuning, Python and Pandas

ACHIEVEMENTS

- Won several hackathons and coding competitions. Here are my coding profiles: [Leetcode](#), [CodeChef](#), [Codeforces](#). View my latest submission to Google's Built-in AI Challenge: <https://devpost.com/software/namer-gemini-nano-powered-file-downloader/>
- Secured **global rank of 50 out of 30k** competitive coders globally
- Was in **top 2 percentile** at JEE Mains 2020.

TECHNOLOGIES AND INTERESTS

- Tech. Stack: Python, SQL, HTML/CSS, Flutter development, Object-Oriented Programming, LLMs
- Interests: Watching podcasts, exploring new technologies and Basketball
- Open to new ideas, Flexible with technologies, Brainstormer.