



Harshvardhan Choudhary

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology Indore	8.75 (Current)	2023-Present
Senior Secondary	CBSE Board	94.2%	2023
Secondary	CBSE Board	96.2%	2021

EXPERIENCE

- Styldod Inc.** Aug. 2024 - Oct. 2024
Machine Learning Intern Remote
 - Optimized inference speed of existing models by about 0.5 times using techniques like DeepCache, OneDiff, etc.
 - Worked on dataset creation for a particular task and scraped a lot of sites.
 - Worked on Day-to-Dusk problem statement.
- Drishti CPS** May 2024 - Jul. 2024
Machine Learning Intern Indore, India
 - Built a Website for anomaly detection in ICUs.
 - Used capabilities of YOLOv8 for Lab Coat, Endotracheal tube etc detection.
 - Worked on Day-to-Dusk problem statement.

PROJECTS

- LLM Distillation and Pruning** Sep. 2024 - Oct. 2024
Cynaptics Club, IIT Indore Github
 - Distilled Models like Qwen2-1.5B using a custom distillation technique.
 - Pruned layers from Qwen2-1.5B using PPL score.
- CP/DSA Solver** May 2024 - Jul. 2024
IITISoC Github
 - Utilized a LLM to solve CP/DSA solver by integrating RAG and finetuning.
 - Later replaced RAG with prompt Engineering.

TECHNICAL SKILLS

- Programming:** Python, C/C++, Javascript*, HTML, CSS
- Extra Skills:** Web Scraping, Cloud Computing*
- Tools/Frameworks:** Keras, Tensorflow, Pytorch, OpenCV, Mediapipe, Scrapy, Selenium, BeautifulSoup, transformers, diffusers
- Operating Systems:** Windows, Linux* * Elementary proficiency

KEY COURSES TAKEN

- Mathematics:** Linear Algebra, Basic Calculus, Differential Equations, Probability & Random Processes
- Computer Science:** Basics of Computer Programming
- Electrical and Electronics:** Fundamentals of Optimization

POSITIONS OF RESPONSIBILITY

- Member,** Cynaptics Club, IIT Indore Nov. 2023 - Present
- Member,** Programming Club, IIT Indore Jan. 2024 - Present
- UG SCC Coordinator,** Counselling, IIT Indore April. 2024 - Present

ACHIEVEMENTS

- 1st Prize,** Enosium Hackathon, Fluxus 2024
- Silver Medal,** IITISoC, IIT Indore 2024