



# Prabhjot Singh

Bachelor of Technology

in Artificial Intelligence and Machine Learning

Guru Gobind Singh Indraprastha University, New Delhi

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GitHub

Portfolio Website

LinkedIn

## EXPERIENCE

### •SciRoIt Technologies

Development Intern

March 2024 - Aug 2024

Rohini, Delhi

- Developed a **Semi-autonomous** using **Computer Vision** vehicle designed to assist infantry in carrying equipment across diverse terrains.
- Created an **AI-powered algorithm** to analyze helicopter performance data and predict maintenance needs preemptively.

### •KPMG AU

Data Science Intern

Jun 2023 - Aug 2023

Remote

- Implemented end-to-end **data processing** workflows, including data cleaning, feature extraction, exploratory data analysis (EDA)
- Implemented predictive modeling, ensuring comprehensive data preparation for analysis.

### •MEDOC

Software Development Intern

Jan 2023 - June 2023

Chandigarh

- Designed and implemented a collaborative filtering **recommendation system**
- Used techniques such as **matrix factorization** and nearest neighbor algorithms.

## PROJECTS

### •Object Character Recognition

OpenCV and Deep Learning

GitHub

- Developed neural network models to accurately identify and **classify objects** and **characters in images**, utilizing deep learning techniques to enhance recognition accuracy and efficiency.
- **Developed** the **Neural Network** from scratch and also developed a **library** for the deep learning concepts.

### •Custom Object Detection

YOLOv8

GitHub

- A custom object detection project using YOLO which involves **training a deep learning model** to accurately identify and **locate Toy Cars** within images.
- Implemented gathering and annotating a diverse dataset with **fine-tuning of the YOLO model** for real-time performance and accuracy.

## EDUCATION

Year	Degree/Certificate	Institute	CGPA/Percentage
2021-2025	B.Tech AIML	Guru Gobind Singh Indraprastha University	8.5
2020	CBSE(XII)	Guru Tegh Bahadur 3rd Centenary Public School, New Delhi	69.8%
2018	CBSE(X)	Guru Tegh Bahadur 3rd Centenary Public Sch8.9, New Delhi	8.9

## TECHNICAL SKILLS

- **Programming Languages:** Python , Java , HTML , C
- **Tools and Frameworks:** PyTorch, Numpy , Pandas , Matplotlib , Tensorflow , Keras , React , Tailwind , Jupyter
- **Operating Systems:** Windows, Linux
- **Course Work:** DBMS , OOPs , Computer Networks

## ACHIEVEMENTS AND AWARDS

- **1st runner up** : Vihaan 6.0 , a hackathon , the biggest student-run hackathon in India.
- **Awarded the "IEEE Delhi Section Student Network Award**: for being the Technical Activities Coordinator
- **1st runner up**: Vihaan 007 , a hackathon , the biggest student-run hackathon in India.
- **1st runner up**: WieHack , a hackathon , Organized in GGSIPU

## POSITIONS OF RESPONSIBILITY

- **Technical Secretary**, IEEE GTBIT SB Mar 2024 - Present
- **Chairperson**, Technical Society of GTBIT May 2024 - Present
- **Technical Activities Coordinator**, IEEE Delhi SSN Sept 2023 - May 2024
- **HackGTBIT SIG Lead**, IEEE GTBIT SB Mar 2023 - Mar 2024
- **Graphic Designing Coordinator**, IEEE GTBIT SB Aug 2022 - Mar 2023
- **Machine Learning Lead**, GDSC GTBIT Aug 2022 - Dec 2022