

Yash Dogra

[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Leetcode](#) | [Kaggle](#)

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SUMMARY

Computer Science undergraduate proficient in **Python** and **C++** with hands-on experience in **ML frameworks** for **NLP** and computer vision projects. Seeking internship opportunities to apply advanced **AI** techniques and web development skills to solve **real-world** problems.

TECHNICAL SKILLS

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| Languages | : | Python, C++, SQL, R |
| AI/ML Frameworks | : | TensorFlow, Keras, PyTorch, Scikit-learn, Hugging Face Transformers |
| Data & Analysis | : | NumPy, Power BI, Pandas, Matplotlib, OpenCV, NLTK |
| Dev Tools | : | Source Control — Git, GitHub · IDEs — VS Code, PyCharm · Collaboration — Google Colab · Databases — MySQL |

EDUCATION

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| Thapar Institute of Engineering and Technology <i>Bachelor of Engineering in Computer Science</i> CGPA: 8.11 | Patiala, Punjab 2021 – 2025 |
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| DAV Public School <i>CBSE, Class XII</i> Percentage: 95.2 | Hamirpur, Himachal Pradesh 2020 |
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PROJECTS

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| Text Summarization | <i>Python, Transformers, ROUGE</i> | Source Code |
| • Developed a text summarization tool using the T5 Transformer model and the XLSum dataset (Punjabi focus). | | |
| • Achieved ROUGE-1 of 54.38 and ROUGE-L of 53.57 post fine-tuning, reflecting strong summarization performance. | | |
| • Conducted human evaluation indicating natural-sounding summaries for over 80% of test samples. | | |
| MapMitra | <i>React, Node.js, MongoDB, Leaflet</i> | Source Code |
| • Developed real-time campus navigation + e-rickshaw tracking with landmark-based routing and multi-role access. | | |
| • Reached 90% ETA prediction accuracy and cut route computation latency 40% via BFS optimization + Redis caching. | | |
| • Secured platform with Google OAuth 2.0 , JWT access/refresh tokens, and structured RBAC middleware. | | |
| Portfolio | <i>HTML5, CSS3, JavaScript, Three.js</i> | Source Code |
| • Built zero-build static portfolio with WebGL particle system (Three.js), glass cursor refraction , and interactive animations. | | |
| • Engineered custom cursor with real-time page capture (html2canvas) + GPU-accelerated shader distortion at 60 FPS . | | |
| • Implemented localStorage-synced dark mode, parallax image system, and responsive layouts | | |

POSITIONS OF RESPONSIBILITY

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| Head of Logistics and Operations <i>Girl Up</i> | Sep 2023 – Sep 2024 Patiala |
| • Directed a team of 85+ members to coordinate various events supporting women entrepreneurs and businesses focusing on women empowerment, feminism, and gender sensitivity. | |
| • Oversaw the logistical planning and execution of events and workshops for 300+ students , ensuring all necessary elements were in place for a successful outcome. | |

CERTIFICATIONS

- [IBM Data Science](#) | [IBM Generative AI](#) | [Google Cloud Skills](#) | [Google UX Design](#)

EXTRACURRICULAR

- Co-author: [Confusion to Clarity: Enhancing Navigation and Transport Systems in Educational Environments](#) - 8th International Conference on Innovative Computing and Communication (**ICICC-2025**).
- Gold Medal - Inter-Departmental Football: Team CSE; Silver Medal - Inter-Departmental Chess.