

# Inpreet Kour

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## Education

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2021 – 2025

### Bachelor of Technology in Computer Science and Engineering

Ludhiana

*Guru Nanak Dev Engineering College, Ludhiana*

Gained practical experience through academic projects in web development, computer vision, and IoT. Developed a strong foundation in programming, UI design, and modern web technologies.

## Skills

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### Languages & Tools

Python, C++, HTML, CSS, JavaScript, SQL

### Frameworks & Libraries

Bootstrap, React.js, Angular (basic), OpenCV, Pandas

### Technologies

Arduino, Git, GitHub, MediaPipe, Blynk

### Platforms

VS Code, Google Colab, Jupyter Notebook, MS Excel

## Projects

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Jan 2025 – Jun 2025

### Plant Disease Detection System

Developed a CNN-based web app to identify plant diseases from leaf images, enabling real-time diagnosis and treatment suggestions. Focused on promoting sustainable agriculture through early detection.

**Technologies Used:** Python, Convolutional Neural Networks (CNN), OpenCV, Flask

June 2024 – Aug 2024

### Kalon Chemicals

Designed and developed a responsive front-end website showcasing the company's products and services with a clean, user-friendly layout.

**Technologies Used:** HTML, CSS, JavaScript, Bootstrap

Aug 2024 – Oct 2024

### Gesture Controlled Lighting System

Built a computer vision system to control lights using hand gestures, enabling real-time gesture recognition and hardware control via Arduino.

**Technologies Used:** OpenCV, MediaPipe, Arduino, Python

## Professional Experience

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Jan 2025 – May 2025

### Research Intern

DRDO

- Supported research documentation and technical data analysis for internal lab assessments at DRDO HQ.
- Contributed to insights that streamlined lab evaluation processes.

Jun 2023 – July 2023

### Python and Data Science Trainee

Numitech Solutions

- Completed mini-projects in Python and applied core data science methods.
- Built basic models using datasets for practice in real-world scenarios.

June 2024 – July 2024

### Web Designing Intern

Devologix

- Designed and implemented responsive UIs using HTML, CSS, JS, and Bootstrap.
- Delivered live websites for business clients including Kalon Chemicals and SD Travels