

# Abhinav Choudhary

Saharanpur, Uttar Pradesh 247452 • 9557589598

[abhinav.12015798@lpu.com](mailto:abhinav.12015798@lpu.com)

[Linkedin.com/in/abhinav-choudhary-09844a1bb](https://www.linkedin.com/in/abhinav-choudhary-09844a1bb)

Enthusiastic engineering graduate with a strong foundation in coding and design. Proficient in C, C++, HTML5, CSS, Python, and JavaScript. Possesses basic knowledge in Machine Learning, Natural Language Processing, Computer Vision, and Deep Learning. Has the ability to quickly grasp new software and technologies. An effective Team player who provides valuable support and contributes to collaborative projects. Excellent communicator with the ability to explain complex concepts clearly and concisely. Demonstrates strong problem-solving skills, and the ability to work under pressure. Adaptable and open to learning new technologies. Detail-oriented with a focus on delivering high-quality code and designs. Self-motivated, with leadership skills and capable of working independently or as part of a team.

---

## Top Skills

**C++:** Basic knowledge of C++ Object-Oriented Programming (OOP) principles.

Familiarity with Data Structures and Algorithms in C++.

**Python:** Proficient in Python, demonstrating a top-tier skill set.

Versatility and power across various domains including web development and data analysis.

**Machine Learning:** Expertise in Machine Learning for driving impactful insights.

Enhancing decision-making processes and optimizing operations through ML algorithms and models.

## Projects

### Plant Disease Detection using Deep Learning

02/2024-Present

- Developed a deep learning model leveraging convolutional neural networks (CNNs) and Transfer Learning techniques for precise plant disease detection from images.

- Utilized GPU-accelerated frameworks like TensorFlow or PyTorch to train the model, resulting in high accuracy rates in disease classification.

- Integrated the model seamlessly into a user-friendly application or web interface, enabling real-time disease diagnosis.

### Document Scanner using Computer Vision

09/2022-11/2023

- Developed a Document Scanner application leveraging Computer Vision techniques for accurate document capture and digitization.

- Implemented image processing algorithms to detect document edges and correct perspective distortions, ensuring high-quality scans.

- Utilized the OpenCV library and potentially other relevant tools for preprocessing images and enhancing readability.

### Sudoku Solver using Data Structure and Algorithm

04/2023-05/2023

- Developed a Sudoku Solver application employing advanced data structures and algorithmic techniques.

- Implemented an efficient backtracking algorithm to solve Sudoku puzzles across different difficulty levels.

## Certification

**Our Energy Future (Coursera):** Gained insights into sustainable energy solutions, policy frameworks, and emerging technologies shaping the global energy landscape.

06/2021-07/2021

**DSA self-paced (GeeksForGeeks):** Self-paced Data Structures and Algorithms course, gaining comprehensive understanding and proficiency in fundamental concepts and problem-solving techniques.

06/2022-07/2022

**C++ Beginner to Expert (Cipher Schools):** Covered key concepts and advanced techniques in C++ programming for comprehensive skill development, including OOPs concepts and Data Structures and Algorithms knowledge.

01/2023-03/2023

**Natural Language Processing (Coursera):** Completed a series of 4 comprehensive Natural Language Processing courses covering various advanced topics: "Natural Language Processing with Classification and Vector Spaces, Natural Language Processing with Probabilistic Models, Natural Language Processing with Sequence Models, Natural Language Processing with Attention Models."

07/2023-11/2023

**Machine Learning Specialization (LPU):** Completed the Machine Learning Specialization at Lovely Professional University, gaining comprehensive expertise in foundational and advanced concepts of machine learning.

08/2023-present

## Education

B. Tech CSE: Graduation Year (2024), Lovely Professional University, Phagwara Punjab.

CGPA: 7.8

12<sup>th</sup> Grade: Alpine International School, Jalalabad Shamli.

Achieved Score: 78%