

# Narender

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## Education

### Lovely Professional University

*B.Tech in Computer Science and Engineering*

Sep. 2022 – Present

*Phagwara, Punjab*

## Experience

### PHN

Pune, India

*Programming Languages Intern*

*Apr 2023 – Jun 2023*

- Applied **Python** and **Pandas** to clean, transform, and analyze datasets from real-world scenarios.
- Enhanced data reliability by addressing **missing values**, executing **dataset merges**, and performing **aggregations**.
- Collaborated with peers on solving data-driven challenges, generating actionable **insights**.

## Projects

### Inventory Management System [\(click\)](#)

May 2025 – Jun 2025

- Developed a dynamic **inventory management platform** using **Node.js**, **Express**, **MongoDB**, and **EJS** to streamline product tracking.
- Introduced secure **access controls** to enforce clear privilege boundaries for administrators and staff.
- Implemented **low-stock indicators** and tabular analytics to support informed decisions and reduce stockout risks.

### AI Safety Incident Logger [\(click\)](#)

Apr 2025 – May 2025

- Built a **RESTful API** with **Flask** and **PostgreSQL** for managing incidents containing title, description, severity, and timestamp.
- Added **validation mechanisms** and error-handling workflows to maintain strong data integrity.
- Refined **SQL queries** and transaction logic to deliver efficient CRUD operations with clear feedback.

### LeetCode Extractor [\(click\)](#)

Mar 2025 – Apr 2025

- Designed a **Chrome Extension** to automatically capture code, runtime, memory stats, and language from submissions for easier tracking.
- Utilized **DOM parsing** to retrieve metadata such as problem title, difficulty, and tags in structured format.
- Coordinated communication between background scripts, content scripts, and popup UI through **Chrome Extension APIs** for a seamless experience.

## Certificate

- Mastered DSA concepts with a focus on efficient problem-solving at CodingSpoon. Jul 2024
- Learned Python programming through a hands-on course at Cipher Schools. Mar 2023
- Studied Software Engineering fundamentals to advanced topics on Udemy. Feb 2023

## Achievements

- **Python** Used **Python** for writing scripts and solving coding problems, focusing on **logic structuring**, **debugging**, and clean code practices.
- **Pandas** Worked with **Pandas** to **clean**, **filter**, and **manipulate datasets**, performing grouping and basic analysis tasks.
- **Team Collaboration** Collaborated with peers in practice projects by **sharing approaches**, reviewing solutions, and enhancing overall **workflow efficiency**.

## Skills

**Languages:** Python, Java, C, C++, HTML/CSS, JavaScript, SQL

**Technologies/Frameworks/Tools:** Flask, PostgreSQL, Git, Docker

**Core Concepts:** Data Structures, OOPS, RESTful API Design, DOM Manipulation, JSON Handling