

Niharika Shrivastava

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github.com/NiharikaShrivastava

Training

Data Structures and Algorithms – Theory to Practice

June 2024 - July 2024

Skill Development, LPU

- Completed an intensive summer training program on Data Structures and Algorithms, covering key concepts such as arrays, linked lists, stacks, queues, trees, graphs, sorting, searching, and dynamic programming. Gained hands-on experience in problem-solving and algorithm optimization.

Projects

Hospital Management System / Java, Responsive Web Design

2025

- Comprehensive Patient Management** Developed a system to manage patient records, appointments, and billing efficiently.
- Database-Driven Architecture** Integrated MySQL with Java and Apache Tomcat for secure data storage and retrieval.
- User-Centric UI/UX** Designed an intuitive interface using Figma and implemented it in Eclipse for seamless user experience.

Social Media Recommender System / Python, Windows, Google Colab

2024

- Personalized Content Suggestions** Developed a recommendation system to suggest relevant posts, friends, and groups based on user interests and behavior.
- Machine Learning Integration** Implemented collaborative filtering and content-based filtering techniques to enhance recommendation accuracy.
- Scalable & Efficient Architecture** Utilized Java, MySQL, and Spring Boot to ensure fast data processing and seamless user experience.

Certificates

Data Structure and Algorithm

2024

Skill Development, LPU

Natural Language Processing Projects

2024

Great Learning

Figma Fusion

2025

Skill Development, LPU

UI / UX for Beginners

2024

Great Learning

Technical Skills

Languages C++, Java, Java

Technologies/Frameworks: Apache Tomcat, Bootstrap

Skills: Data Structures and Algorithms, Problem-Solving, Responsive Web Design, Scripting in Python and JavaScript

Education

Lovely Professional University Punjab

2022 – 2026

Computer Science and Engineering — CGPA: 6.00

Jalandhar, Punjab

D.A.V Public School

2021 – 2022

12th with Science — Percentage: 79.9%

Patna, Bihar

D.A.V Public School

2019 – 2020

10th with Science — Percentage: 80%

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