Srishti Rana

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EDUCATION

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
B.TECH IN COMPUTER SCIENCE
July 2025 | Solan, HP

MOUNT CARMEL SCHOOL
ICSE Class XII
June 2021 | Una, HP
ICSE Boards : 97%

COURSEWORK

UNDERGRADUATE

Data Structures
Algorithms
Object Oriented Programming
Operating Systems
Database Management Systems
Debugging
Computer Networking
Statistics And Data Exploratory Analysis
Machine Learning
Deep Learning

SKILLS

LANGUAGES

Java , Python, HTML,CSS

DEVELOPMENT

Spring Boot, MySQL ,Git, GitHub
RDBMS ,Spring

WORK EXPERIENCE

(June'24 -July'24)

High-Performance Computing JIIT Noida (HPC Lab)

Developed and optimized parallel computing algorithms and memory management techniques for multicore systems

Skilled in OpenGL, OpenMP, and multithreading for optimizing deep learning models.

CERTIFICATIONS

- ✓ Certification of Completion (JAVA+DSA)-Apna College
- ✓ Complete SQL Bootcamp From Zero To Hero-Udemy
- ✓ Data Science Foundation Certificate -Infosys Springboard
- ✓ Computer Networks Simplified-Udemy
- ✓ Basics of Git and GitHub - aWS
- ✓ Using MySQL database with PHP
- ✓ Common Programming Errors And Best Practices- Meta

PROJECTS

Text Editor With Stack Based Editing Functionality | Java+DSA
Feb 2024 - June 2024

- Java based Notepad with Stack type clipboard to keep multiple strings in clipboard
- Graphical User Interface made by Java Swing
- A menu bar with following menus
- File handling (New , Open , Save, Save As , Exit)
  1. Editing options (Cut , Copy , Paste)
  2. Formatting of Fonts with font-size and font type with Word Wrap option
  3. Background color change

User Behavior Dynamics With Machine Learning Algorithms | ISRO
October 2023

- Generated User interaction log
- Developed machine learning model to analyze user behavior patterns.
- Predicted user preferences and interactions based on historical data
- Implemented algorithms to dynamically adjust to recommendations in real-time
- Enhanced user experience by providing personalized content and suggestions
- Optimized platform engagement and retention through data-driven insights

Airline Reservation System | OOPs ,Java
December 2022

- System can manage customers, admins, flight booking and cancellation features implemented in Java using OOP concepts like inheritance, encapsulation, association, and composition.

JUIT WEBKIOSK API | SPRING BOOT ↗
April 2022

- A REST API for accessing student data from college servers.
- Allows users to fetch Attendance, Exam Grades, and other details from JUIT WebKiosk Official Website.
- Built using JAVA SpringBoot using Library for parsing data from HTML.