

DEEPANSHU SHARMA

Sundernagar, India 175018 | +91 8894833627 | deepanshu.sharma@juitsolan.in

Summary

Computer Science post-graduate with a Dual Degree from NIT Hamirpur and a strong foundation in Machine Learning and Deep Learning. Proven track record in academic research with publications in Scopus-indexed venues. Experienced in developing predictive models and data analysis workflows, seeking to apply advanced analytical skills in challenging AI/ML projects.

Education

- **M.Tech in Computer Science and Engineering** | N.I.T. Hamirpur
CGPA: 9.07
 - **B.Tech in Computer Science and Engineering** | N.I.T. Hamirpur
CGPA: 9.06
 - **Class XII (CBSE)** | St. Mary's School, Sundernagar
Percentage: 94.00%
 - **Class X (CBSE)** | St. Mary's School, Sundernagar
CGPA: 10.0
-

Technical Skills

- **Languages:** C, C++, Python
 - **Data & Databases:** MySQL, Database Management
 - **AI/ML:** Machine Learning, Deep Learning, Soft Computing, CNNs
-

Publications

- **Automatic Pain Detection Through Facial Expression** | *IGI GLOBAL*
Investigations in Pattern Recognition and Computer Vision for Industry 4.0 (Scopus).
 - **Heart disease prediction using data mining classification algorithms** | *COMIT 2024*
Accepted for presentation at the 8th International Conference on Computer Science and Information Technology.
-

Experience

Learn and Build | *Data Science Intern*

- Performed data cleaning and exploratory data analysis (EDA) to identify trends for project development.
 - Assisted in building and evaluating predictive machine learning models.
 - Collaborated with mentors to streamline data collection methodologies and workflows.
-

Projects

- **Automatic Pain Detection (Deep Learning):** Developed a system using CNNs to estimate pain intensity from facial expressions. Implemented image preprocessing and feature extraction to handle lighting and facial variations.
 - **Heart Disease Prediction:** Applied various ML classifiers and optimization techniques to predict cardiac diseases, performing a comparative analysis of model performances.
-

Accomplishments & Responsibility

- **CAT 2025-26:** Provisionally selected for admission to MBA/MBA-HRM programs at Indian Institute of Management Ranchi, Indian Institute of Management Kashipur, and Indian Institute of Management Tiruchirappalli based on outstanding performance in CAT 2025-26.
- **GATE CSE 2023:** Qualified.
- **Coordinator,** Discipline Club (N.I.T. Hamirpur); Managed Hillfair and Nimbus.