

LAVDEEP SINGH

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EDUCATION

Rajkiya Engineering College

B.tech in Computer Science and Engineering (CSE), CGPA: 7.26

Nov 2020 – July 2024

Kannauj, U.P

Shree H.M.S inter college

Intermediate, Percentage - 69%

April 2017 – June 2019

Chitrakoot, U.P

Sadguru Public Her Sec School

High-School, CGPA: - 9.6

April 2015 – June 2017

Satna, M.P

PROJECTS

Driver seat-belt detection 🔗 |

Sep-Dec 2022

- Dataset Creation and Enhancement: Developed a custom dataset of 1264 images and applied data cleaning and augmentation techniques to improve image quality and diversity.
- Model Implementation: Implemented a hybrid CNN-SVM model for image classification, where CNN extracts image features and SVM classifies them, leading to improved accuracy(98.50%) and performance compared to standalone models.

Brain Tumor classification 🔗 |

Sep 2023 - May 2024

- Dataset Collection and Enhancement: Acquired dataset from Kaggle and applied CLAHE (Contrast Limited Adaptive Histogram Equalization) for image enhancement.
- Model Development: Ensembled and fine-tuned several pre-trained deep learning models to meet specific requirements, improving classification accuracy and performance.

Vrindha Store Data Analysis 🔗 |

July 2024 - Present

- Created interactive dashboard to track and analyze online sales data using complex parameters to drill down in worksheet and customization using filters and slicers.
- Used different types of customized visualization(bar chart, pie chart, scatter chart, line chart, area chart, map, slicers, etc).

INTERNSHIP

Pantech Solutions 🔗

July 2023 – August 2023

Machine learning intern

Remote

- This internship and training program involved Applying data cleaning techniques to multiple datasets, including removing null values, zero values, and inappropriate data type values from CSV files.
- Implemented various machine learning algorithms, including SVM, KNN, Linear Regression, and Logistic Regression, etc.

PUBLICATION

Driver's Seat Belt Detection Using CNN-SVM: A Hybrid Approach 🔗

June 2024

TECHNICAL SKILLS

Languages: Python, C, C++, SQL, R(Basic)

Developer Tools: VS Code, Jupyter Notebook, Pycharm, Git/GitHub, Google Colab, Kaggle

Visualization tools: Power Bi, Tableau, Excel, MySQL

Machine learning libraries: NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, Beautiful Soup

ROLES & RESPONSIBILITIES

NSS (National Service Scheme) 🔗

March 2023 – June 2024

Students-head Coordinator

Kannauj

- Leadership and Organization: Led and organized NSS activities, coordinating with volunteers in 5 adopted villages near the college.
- Project Planning: Planned and executed 4 new community service projects and served as the primary liaison between the NSS unit and college administration.

CERTIFICATIONS

• Enhancing soft skills & Personality development - NPTEL
Business with Effective Insights - FORAGE

• Tata: Data Visualisation Empowering