LAVDEEP SINGH

DLF Phase-III,Gurugram,Haryana

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EDUCATION

Rajkiya Engineering College   Nov 2020 – July 2024
B.tech in Computer Science and Engineering (CSE), **CGPA: 7.26**   *Kannauj, India*

Shree H.M.S inter college   April 2017 – June 2019
Intermediate, **Percentage - 69%**   *Chitrakoot, U.P*

Sadguru Public Her Sec School   April 2015 – June 2017
High-School, **CGPA: - 9.6**   *Satna, M.P*

PROJECTS

Driver Seat-belt detection ⎋   Aug 2022 – Jan 2023
- Developed and curated a custom dataset of 1,264 images, implementing data cleaning and augmentation techniques to enhance image quality and increase dataset diversity.
- Implemented a hybrid CNN-SVM architecture for image classification, where the CNN extracts image features, and the SVM classifies them, achieving 98.50% accuracy and outperforming standalone models.

Brain Tumor Classification ⎋   Sep 2023 – May 2024
- Acquired a dataset of 7,000 images from Kaggle and applied Contrast Limited Adaptive Histogram Equalization (CLAHE) for image enhancement.
- Integrated multiple pre-trained transfer learning models and employed ensemble learning techniques to accurately classify brain tumors, achieving an accuracy of 98.02%.

Credit Card Financial Analysis ⎋   Aug 2024
- Developed an interactive dashboard using transaction and customer data from SQL database, to provide real-time insights & Streamlined data processing & analysis to monitor key performance metrics and trends.
- Shared actionable insights with stakeholders based on dashboard findings to support informed decision-making.

INTERNSHIP

Pantech Solutions ⎋   July 2023 – Aug 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.

TECHNICAL SKILLS

Languages: Python, C, C++, SQL, R(Basics)
Tools: Power Bi, Tableau, Excel, MySQL, PostgreSQL, VS Code, Jupyter Notebook, Git/Github, Colab, Kaggle
Machine learning library: NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, Beautiful Soup
Soft skills: Leadership, Event Management, Excellent Communication, Critical thinking, Problem Solving

POSITION OF RESPONSIBILITIES

NSS (National Services Scheme) ⎋   April 2023 – July 2024
Students Head Coordinator   *REC Kannauj*
- Led and organized NSS activities, coordinating with 150+ volunteers across 5 adopted villages, executing 4 new community service projects, and serving as the primary liaison between the NSS unit and college administration.

CERTIFICATIONS

- Tata: Data Visualisation Empowering Business with Effective Insights - FORAGE
- Data Analytics Essential - Cisco

PUBLICATION

Driver's Seat Belt Detection Using CNN-SVM: A Hybrid Approach ⎋   June 2024