Hirdesh Kumar Yadav

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SKILLS

- **Programming Languages**: Python, Scala, SQL, R, C++
- **Web Technologies**: HTML and CSS
- **Tools/Platforms**: VS Code, Git Bash, GitHub, VMware, MySQL
- **Data Management & Analytics**: Excel, DBMS, Big Data, Tableau, Power BI, RapidMiner
- **Operating Systems**: Windows, Linux (Ubuntu)
- **Soft Skills**: Problem-Solving, Teamwork, Project Management, Adaptability

TRAINING

Board Infinity | Bangalore, IN   June 2022 – July 2022

- Completed a one-month internship focused on data analysis of the **Uber Dataset** using **R programming.**
- Gained hands-on experience in cleaning, analyzing and visualizing real-world data.
- Derived key insight into operational dynamics and market behaviour based on trip trends and user patterns.
- **Tech stacks:** R, Uber Dataset (Kaggle)

PROJECTS

PersonaSense: Decoding Traits Through Face & Voice   Jan - May 2025

- Designed and developed a real-time personality prediction system using facial expressions and vocal Cues.
- Integrating **CNN** for facial emotion recognition and **SVM** for voice-based emotion analysis.
- Mapped emotional states to **Big Five personality traits** using a multimodal AI pipeline.
- Build an interactive AI-powered web application for emotion and personality assessment
  Tech Stack: Python, Flask, TensorFlow, OpenCV, Librosa, SVM
  Tools: VS Code | Web-based AI Application

Old Car Price Predictor: Feb 2024

- Developed a machine learning-based application to predict old car prices using historical data and user inputs.
- Implemented the **Decision Tree Classifier** algorithm using **scikit-learn**.
  Tech Stack: Python, Scikit-learn
  Tools: VS Code | GUI & ML Application

Dynamic Dashboard in Tableau: Analyzing Netflix Dataset: Mar 2023

- Created interactive dashboard with bar charts, line graphs and heat maps to visualize content trends.
- Implemented filters, drilldowns, and drop-downs for enhanced user interaction and analysis.
  Tech Stack: Data Visualization and Analysis
  Tools: Tableau | Dataset Source: Kaggle

CERTIFICATES

- Supervised Machine Learning Regression and Classification | Certified by Coursera   Nov 2024
- Career Essentials in Data Analysis by Microsoft and LinkedIn   July 2024
- Data Visualization with Tableau | Certified by Coursera   Mar 2024
- Cloud Computing Essentials | Certified by IBM   Nov 2023
- The Bits and Bytes of Computer Networking | Certified by Google   June 2022

ACHIEVEMENTS

- Participated in a summer CDP (**Community Development Project)** Focusing on local infrastructure improvements.   June-July 2022

EDUCATION

Lovely Professional University   Punjab, India

Bachelor of Technology – *Computer Science and Engineering;* ***CGPA: 7.32***   *July 2021 – June 2025*
Diploma - *Computer Science and Engineering;* ***CGPA: 7.75***   *July 2018 – June 2021*