Surendra Mahla

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SKILLS

- **Languages:**　　　　Python, Java, C, Cpp, JavaScript, HTML, CSS
- **Frameworks:**　　　　Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Java Swing, Figma
- **Tools/Platforms:**　MySQL, Microsoft Excel, Power BI
- **Soft Skills:**　　　　Analytical Thinking, Problem-Solving, Adaptability, Collaboration

PROJECTS

Bank Deposit Subscription Prediction| Python, Pandas, Scikit-learn, Seaborn| Github　　　　Dec 2025

- Developed a supervised machine learning model to predict customer subscription to bank term deposits using marketing campaign data.
- Performed data preprocessing, feature encoding, scaling, and exploratory data analysis to identify key factors influencing customer decisions.
- Trained and compared multiple classification algorithms including Logistic Regression, Decision Tree, KNN, Naive Bayes, and SVM using accuracy and confusion matrix metrics.
- Applied cross-validation and visualized model insights using Matplotlib and Seaborn to support data-driven decision-making.

Car Sales Analysis | Power BI | Github　　　　Dec 2025

- Conducted comprehensive exploration of automobile transaction datasets to evaluate year-to-date, month-to-date, and year-over-year revenue performance across multiple market segments.
- Examined purchasing patterns by vehicle body configuration, exterior palette, geographic distribution, and seasonal timelines to uncover meaningful commercial patterns.
- Built interactive Power BI visualization dashboards presenting revenue progression, pricing indicators, and volume distribution, delivering actionable intelligence for strategic pricing, stock optimization, and promotional planning..

TechInsights | Django, Python, SQLite, HTML, CSS, Bootstrap| Github　　　　Mar 2025

- Architected a full-stack blogging platform with secure authentication, role-based access control, and complete CRUD functionality for blog and category management.
- Designed relational data models using Django ORM to manage users, posts, and categories, ensuring scalable and efficient data handling.
- Developed a responsive interface and admin dashboard using Bootstrap and Django templates to streamline content publishing and platform administration.

Airline Management System | Java, Swing, MySQL| Github　　　　Dec 2025

- Engineered a desktop-based airline management system using Java Swing, enabling efficient management of flight schedules, passenger records, staff information, and ticket booking operations through an interactive GUI.
- Designed and integrated a MySQL relational database to manage operational data, implementing secure authentication and complete CRUD functionality for reliable data storage and retrieval.
- Developed a user-friendly graphical interface and structured workflow modules to streamline airline administrative processes and improve overall system usability and data management efficiency.

TRAINING

Airline Management System | Java Swing + MySQL | Link　　　　Jun 2025 – Jul 2025

- Designed and implemented a GUI-based airline booking system integrated with MySQL using optimized SQL queries.
- Developed features such as passenger data entry, flight selection, and automated booking confirmation.
- Applied data validation and preprocessing techniques to ensure accurate and efficient record handling.

CERTIFICATES

- Cloud Computing – NPTEL | Link　　　　Jul – Oct 2025
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate | Link　　　　Jul - Aug 2025
- Oracle Data Platform 2025 Certified Foundations Associate | Link　　　　Aug 2025
- Oracle Fusion Cloud HCM Certified Foundations Associate – Oracle | Link　　　　May 2025
- Java Maestro: Hands-On Training on Developing GUI Applications | Link　　　　Jun-Jul 2025
- Data Analytics Job Simulation – Quantium & Forage | Link　　　　May-Jun 2025
- Data Visualization – Tata & Forage | Link　　　　May-Jun 2025

ACHIEVEMENTS

Club Activities & Event Contributions

- Received appreciation for contributing to the successful organization of CHAKRAVYUH – Capture the Flag (CTF) held on 1st March 2025.
- Recognized for valuable efforts in organizing TRINETRA – Hackathon conducted on 8th–9th February 2025.

EDUCATION

Lovely Professional University　　　　Phagwara, Punjab

- Bachelor of Technology - Computer Science and Engineering - **CGPA: 6.7**　　　　Jun 2023 - Present

Kota Career Point, Kuchaman　　　　Nagaur, Rajasthan

- Intermediate - **Percentage: 85**　　　　Apr 2021 - Mar 2022