Arun Sah

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SKILLS

- **Languages**: Python, Java, C++, C
- **Frameworks**: HTML, CSS, Bootstrap
- **Tools/Platforms**: MySQL, Excel, Power BI,
- **Soft Skills**: Problem-Solving Skills, Team Player, Project Management, Adaptability

PROJECTS

- **Tesla Global Performance Dashboard | PowerBI**: Link   Nov' 2025 – Dec' 2025

  - Developed an interactive Power BI dashboard analyzing Tesla's global performance from 2015-2025 across deliveries, production, models and regions
  - Cleaned and transformed multi-year monthly data using Power Query and built a structured data model with relationships
  - Created dynamic KPIs and DAX measures to track deliveries, production, trends, average price, CO_2 saving, charging infrastructure growth
  - Designed model-wise, regional and sustainability-focused visualizations with interactive slicers and filters for business insights
  - Applied data transparency practices by classifying data sources (Actual, Estimated, Interpolated) to support reliable storytelling

  Tech: Power BI, Excel

- **Fraud Detection using Machine Learning**: Link   Oct' 2025 – Nov' 2025

  - Built an end-to-end machine learning model to detect fraudulent financial transactions using supervised classification techniques
  - Performed exploratory data analysis (EDA) and feature engineering to handle class imbalance and improve model performance
  - Created a reusable ML pipeline with data scaling and categorical encoding using scikit-learn
  - Serialized the complete preprocessing and model pipeline into a .pkl file using joblib for deployment
  - Implemented a Streamlit web application for real-time fraud prediction based on user-inputted transaction details

  Tech: Python, Pandas, NumPy, Matplotlib, Seaborn, Streamlit, Joblib, scikit-learn

TRAINING

- **A Hands-On Approach to Data Science**   Link   Jun' 2025 – Jul' 2025
  Machine Learning Trainee

  - **About**: Completed the skill development program "From Data To Decisions: A Hands-On Approach to Data Science." Gained practical experience in data analysis, statistical methods, and decision-making techniques using real-world datasets.
  - **Tech stacks used**: ·Python ·Pandas ·NumPy ·Data Visualizations, Statistical Analysis ·Power BI

CERTIFICATES

- Python (Basic) Certification – HackerRank Link   Nov' 2025
- Object Oriented Programming – 72-hour Certification, Lovely Professional University(iamNeo) Link   Aug' 2024
- Binary Blitz Hackathon – Certificate of Appreciation for Active Participation Link   Mar' 2024

ACHIEVEMENTS

- **HackerRank Java – 4 stars Achievement**   Link   Nov' 2024
  Validated proficiency in core Java concepts.

- **Economic Crash Course**:

  Successful completion of Economics offered by the Mindluster Link   Oct' 2023

EDUCATION

- **Lovely Professional University**   Punjab, India
  *Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.9***   *Since Aug' 2023*

- **Balaju School of engineering & Technology**   Kathmandu, Nepal
  *Diploma in Electrical; **Percentage: 67%***   *Apr' 2020 – Mar' 2023*

- **Apex Academy**   Malangwa-3, Nepal
  *SEE; **Percentage: 75%***   *Apr' 2016 – Mar' 2018*