

Prakhar Purwar

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SKILLS

- **Languages:** C++, Java, Python, SQL
- **Libraries & Tools:** Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Core Concepts:** Data Structures & Algorithms, OOPs, DBMS, Operating Systems
- **Tools/Platforms:** Tableau, Excel, Power BI, Operating Systems, Network Communication
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

INTERNSHIP

- **Deloitte – Data Analytics Job Simulation** Jun'25 – Jul'25
Data Analyst Intern
 - Improved risk-identification accuracy by ~20% by building Python-based analytical workflows across 10+ business scenarios.
 - Designed and executed data-processing pipelines to handle complex datasets and business rules.
 - Integrated Tableau dashboards with backend data workflows to enable dynamic reporting and stakeholder review.
 - Delivered data-backed recommendations that enhanced operational visibility and risk-mitigation strategies.

PROJECTS

- **Socio-Economic Analysis of Indian Households – Machine Learning | [Link](#)** Mar'25 – Apr'25
 - Designed an end-to-end Python-based data processing pipeline to handle 139k+ household records.
 - Implemented automated data-cleaning logic by removing features with >90% missing values to improve model reliability.
 - Enhanced preprocessing modules using Pandas for median imputation and data consistency validation.
 - Performed Exploratory Data Analysis (EDA) and statistical profiling across 37 socio-economic variables.
 - Applied feature engineering techniques to support downstream predictive modeling workflows.

- **Electric Vehicle Analytics Dashboard – Data Visualization | [Link](#)** Mar'25 – Apr'25
 - Built Excel dashboard tracking EV KPIs, enabling faster performance monitoring and decision-making.
 - Designed dynamic computation logic using Pivot Tables, Slicers, and advanced formulas.
 - Implemented structured data-refresh workflows, reducing reporting turnaround time by 40%.
 - Built an executive-ready dashboard interface enabling quick insight generation and decision support.

- **Bargain Hunter Bot – Chat Bot | [Link](#)** Feb'25 – Apr'25
 - Developed a Python-based chatbot application for automated price comparison across multiple e-commerce platforms.
 - Implemented web-scraping modules to fetch real-time product pricing, reducing manual search time by 70%.
 - Integrated NLP-based query handling to enable conversational product discovery.
 - Designed a scalable and modular architecture allowing seamless integration of new APIs and marketplaces.

TRAINING

- **Lovely Professional University (Centre for Professional Enhancement) | [Link](#)** Jun'25 – Jul'25
Summer Training
 - Engineered a car price prediction model as part of the “Machine Learning Made Easy” summer training initiative.
 - Leveraged Random Forest regression to generate high-accuracy price forecasts across multivariable inputs.
 - Optimized model performance through hyperparameter tuning and iterative evaluation workflows.
 - Deployed the solution as an interactive Streamlit application to enable real-time, user-driven price estimation.
 - Utilized Python, Pandas, Scikit-learn, and Streamlit to deliver an end-to-end, production-ready analytics asset

ACHIEVEMENT

- Participated in Binary Blitz Web Hackathon, contributing to a team-based web solution. Mar'24

CERTIFICATES

- ChatGPT Made Easy: AI Essentials for Beginners by Udemy | [Link](#) Aug'25
- Completed Cloud Computing Course by NPTEL | [Link](#) Apr'25

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.0 Since Aug 2023
- **Mahant Bhagwat Vishal Inter College** Kaudara, Jalaun
Intermediate; Percentage: 67.66% Apr 2020 - Mar 2022
- **Dr B R Ambedkar High School** Kaudara, Jalaun
Matriculation; Percentage: 79.59% Apr 2018 - Mar 2020