Prakhar Purwar

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SKILLS

- **Languages**: C++, Java, Python, SQL, Go
- **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

Retail Sales Performance Dashboard – Power BI – Data Visualization | Link   Nov'25 – Dec'25
  - Built interactive Power BI dashboard analyzing retail sales performance across multiple years.
  - Designed data transformation and modeling logic using Power Query and DAX measures.
  - Implemented customer, product, and regional analysis for performance comparison.
  - Delivered insight-driven visuals enabling faster business decision-making.

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.

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: 7.00***   *Since Aug 2023*

- **Mahant Bhagwat Vishal Inter College**   Kadaura, Jalaun
  *Intermediate; **Percentage:67.66%***   *Apr 2020 - Mar 2022*

- **Dr B R Ambedkar High School**   Kadaura, Jalaun
  *Matriculation; **Percentage: 79.59%***   *Apr 2018 - Mar 2020*