

# Komal Singh Shekhawat

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## PROFESSIONAL SUMMARY

**Software Engineer aspirant** with strong foundations in programming, data structures, and software development lifecycle (SDLC). Experienced in designing, building, testing, and analyzing applications through academic and hands-on projects. Quick learner with good analytical, problem-solving, and communication skills, capable of delivering quality code in fast-paced environments.

## EDUCATION

**Bachelor of Technology – Artificial Intelligence & Machine Learning**  
Dev Bhoomi Uttarakhand University

Aug 2021 – Jul 2025  
CGPA: 7.53

## TECHNICAL SKILLS

**Programming:** Python, SQL, Machine Learning

**Core Concepts:** Data Structures, CRUD, OOPs, SDLC, Debugging, Problem Solving

**Web & Tools:** HTML, CSS, REST APIs, Git, VS Code

**Data & Visualization:** Excel, Power BI, Pandas, NumPy, Matplotlib, EDA

## EXPERIENCE

**Data Science & AIML Club**

*Dev Bhoomi Uttarakhand University*

Dec 2021 – Apr 2025

- Collected real-world datasets and framed **analytical problem statements** to support performance improvement use cases.
- Performed **data preprocessing, cleaning, and validation** using Python in Jupyter Notebook.
- Conducted **exploratory data analysis (EDA)** to identify trends, anomalies, and key behavioral patterns.
- Designed logic to analyze operational metrics such as usage patterns, cancellations, and ratings.
- Built interactive dashboards in **Power BI** using DAX to extract actionable insights.
- Collaborated with peers, documented findings, and delivered outputs within defined timelines.

## PROJECTS

**OLA Performance Analysis**

Python, Power BI, SQL

- Collected ride data and defined analytical objectives to improve operational performance.
- Cleaned and transformed raw datasets using Python for accurate analysis.
- Performed EDA to study **ride cancellations, vehicle utilization, and driver/vehicle ratings**.
- Uploaded processed data to Power BI and applied **DAX functions** to derive KPIs.
- Created interactive dashboards and storytelling visualizations to support **data-driven decision-making**.

**Student Management System**

Python, SQL

- Defined functional requirements and designed a structured data model for student records.
- Implemented CRUD operations using Python and SQL for efficient data handling.
- Applied modular programming and basic **OOP principles** to improve code readability and maintainability.
- Tested application workflows, handled edge cases, and ensured data consistency.

## CERTIFICATIONS

Microsoft Power BI Data Analyst Fundamentals  
AWS Certified Cloud Practitioner  
Google Cloud Database Engineer