

Akancha Kumari Sah

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SKILLS

- **Languages:** C, C++, Python, R, SQL
- **Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, Flask, HTML and CSS, JAVASCRIPT
- **Tools/Platforms:** R_STUDIO, TABLEAU, MySQL, Docker, PostgreSQL
- **Soft Skills:** Problem-Solving Skills, Time Management, Teamwork, Adaptability

PROJECTS

> Resume Checker

July 2025

- Developed a web-based application that analyzes and scores user resumes for quality and keyword relevance using Flask backend.
- Implemented frontend using HTML, CSS, and JavaScript for an interactive user interface.
- Used Natural Language Processing (NLP) techniques to extract and match resume content with job description keywords.
- Integrated file upload functionality with validation (PDF/DOCX), and provided a feedback report with suggestions for improvement.
- Deployed the application on a local server Render.

> Mail Customer Segmentation

July-2024

- Implemented clustering analysis to segment mail customers based on spending behavior and demographics, enabling targeted marketing strategies.
- Built an interactive Power BI dashboard to track product trends and customer segments in real time.
- Utilized Google Colab for scalable and collaborative model development
- Tech used: Python, NumPy, Matplotlib, Seaborn, Power BI, Google Colab, Machine Learning (Clustering)

> Bike Sales Dashboard

Nov-2022

- Created an interactive Power BI dashboard to analyze bike sales data and deliver insights on revenue, demographics, and purchase behavior.
- Integrated filters and drill-throughs for detailed tracking of sales by region and customer preferences.
- Conducted seasonal demand analysis to support inventory planning and strategic decision-making.
- Enhanced data-driven decision support for business teams through clear and intuitive visual reporting.
- Tech used: Power BI, Data Analysis, Data Visualization

SUMMER TRAINING

> Python Data Science and Machine Learning – Cipher Schools (EdTech Company)

June-July 2024

- Built and evaluated ML models including Linear Regression, KNN, SVM, Decision Trees, and K-Means Clustering to improve predictive accuracy.
- Applied EDA and data visualization techniques to extract actionable insights from real-world datasets.
- Gained hands-on experience in data preprocessing and model development using Pandas, NumPy, and Scikit-learn.
- Tools & Technologies: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

CERTIFICATES

Cloud Computing - NPTEL	Nov-2024
Data Analysis with Tableau (Coursera)	Nov-2024
Supervised Machine Learning (Coursera)	Oct-2023

ACHIEVEMENTS

- Earned a 4-star rating in SQL on HackerRank, demonstrating strong database query and manipulation skills.
- Solved 250+ question on LeetCode and earned multiple badged.

EDUCATION

Lovely Professional University

Punjab, India

Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.2**

Since August 2022

Om National Academy

Intermediate; **Percentage: 88.8%**

Birgunj, Nepal

April 2019 - March 2021

Simara Subharambha Academy

Matriculation; **Percentage: 78%**

Simara, Nepal

April 2006 - March 2019