

Shakshi Kumari Agrawal

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SKILLS

Languages:Python, Java, C++, C

Frameworks:HTML, CSS, Nodejs, React js

Tools/Platforms:Advance Excel, Tableau, Power BI, NumPy

Soft Skills:Team Player, Flexibility, Creativity, Multitasking, Adaptability

PROJECTS

Movie Recommender System

Feb' 2025

- Designed and implemented a robust movie recommender system leveraging advanced **machine learning** algorithms
- Utilizing techniques such as data normalization, feature engineering, and collaborative filtering to enhance recommendation accuracy
- Resolved **API** limitations by integrated scalable database solutions to handle large datasets efficiently, ensuring real-time recommendation updates
- Created **an intuitive interface** for effortless navigation, enhancing user satisfaction and boosting engagement
- Tech:** Seaborn, Scikit -learn, Firebase, JSON, Matplotlib, NumPy, RESTful APIs

Airbnb Data Analysis

Jun' 2024 - Jul' 2024

- Performed comprehensive analysis and interpretation of intricate datasets concerning Airbnb listings.
- Improved data precision by applying sophisticated transformation techniques and meticulous cleaning procedures for heightened reliability.
- Discovered pivotal trends and patterns in pricing, reviews, and room types using advanced statistical techniques and build models.
- Provided stakeholders with actionable insights, bolstering decision-making in the short-term rental market.
- Tech:** R Programming

Tabular Question Answering System

Apr'2024

- Developed a tabular data query system utilizing Python and Flask to derive insights from structured datasets.
- Created an intuitive web-based interface for dynamic querying and accurate responses to tabular data.
- Executed data preprocessing and feature engineering while incorporating CSV/Excel datasets to ensure a robust framework
- Tech:** Python, NumPy, Pandas

Summer TRAINING

Board Infinity | R Programming

Jun' 2024 – Jul' 2024

- Learned and applied data preprocessing using libraries such as NumPy, NLTK, and Scikit- learn.
- Visualizations using ggplot2 to communicate insights effectively and generated comprehensive reports summarizing findings for stakeholders.

CERTIFICATES

Cloud Computing | [NPTEL](#)

Nov' 2024

Tableau | [Coursera](#)

Sept' 2024

Python Essentials | [Cisco](#)

Aug' 2024

Excel Skills for Data Analytics and Visualization | [Coursera](#)

Feb' 2024

EXTRACURRICULAR ACTIVITIES

Participated **Infineon Hackathon's** coding rounds

Apr' 2024

Competed in **HackOn** with Amazon, focusing on data structures and algorithms

Jun' 2024

NSS Volunteer organized events such as blood donation camps, plantation drives, and women's rights

Sep' 2023

EDUCATION

Lovely Professional University

Phagwara, Punjab

Bachelor of Technology

Pursuing

Computer Science and Engineering; CGPA: 8.2

DAV Kapildev Public School

Ranchi, Jharkhand

Intermediate

Mar' 2021 – May' 22

PCM; Percentage: 91%

D.A.V Public School

Daudnagar, Bihar

Matriculation

Mar' 2019 – May' 2020

Percentage: 92%