Devendra Singh Shekhawat

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EDUCATION

Madhav Institute of Technology and Science — Gwalior, MP
B. Tech in Mathematics and Computing CGPA – 8.4 — Expected May 2025

Central Academy School — Gwalior, MP
Higher Secondary (XII), PCM , 92.4% — March 2021

St Paul's School — Gwalior, MP
Secondary (X), 92.4% — March 2019

Relevant Course work

- Data Structures
- Database Management
- Operating System
- Computer Networks
- Algorithms Analysis
- Statistical Methods
- OOPS
- Data Visualization

PROJECTS

Text Insight Analyzer — April 2024

- Designed a flask-based app that uses Natural Language Processing (**NLP**) Techniques on extracted text.
- Used **BeautifulSoup** library in python to fetch main content from website using their URLs
- **Textblob** library was used to perform various readability metrics like count of nouns, pronouns, **Flesch Reading Ease** and **Flesch-Kincaid Grade Level**, enhancing the comprehensiveness of it.
- The frontend allows users to enter the URL of website and it displays the suitable age group for the related content and it also allows user to gain more insights by clicking on '**MORE**' button that displays the other measures.
- **Tech Used:** Python, Flask, BeautifulSoup, HTML

Used Car Price Prediction — Nov 2023

- Designed a predictive model for used car price prediction using Python libraries like numpy, pandas, matplotlib, and seaborn
- Created advanced visualizations like heatmaps, boxplots, scatterplots to gain necessary insights on various related attributes.
- **Tech Used**: Pandas, Numpy, Scikit Learn, Matplotlib, Seaborn, ML algorithms.

Heart Attack Risk Prediction — July 2023

- Developed a Python-based project to predict heart attack risk using data analysis and machine learning techniques.
- Meticulously addressed missing values and data type inconsistencies to guarantee data quality, while implementing a method to segregate blood pressure readings into systolic and diastolic components for precise analysis.
- Prepped the dataset for predictive modeling by structuring features like cholesterol levels, exercise habits, and medical history, with the project designed to identify actionable insights for lifestyle improvements and critical health condition detection.
- **Tech Used**: Python, Pandas, Matplotlib, Seaborn, Scikit learn

Technical Skills

Language: C, C++, Python, R, JAVA, SQL, HTML
Developer Tools: VS Code, GitHub, Postman, PyCharm, IntelliJ, Kaggle, Google Colab, Jupyter notebook, Rstudio
Technologies/Frameworks: Pandas, NumPy, Cloud, SciPy, Matplotlib, NLTK, XGBoost, Flask, Beautiful Soup, Selenium, Tidyverse, ggplot2, dplyr.

Achievements/Co-Curriculars

- Received Cloud Computing Certification from NPTEL with 73% overall score
- Presented a research paper as a team on Artificial General Intelligence: AGI RESEARCH PAPER
- Solved vast problems at hackerrank, Leetcode
- Actively participating in Kaggle competitions
- Engaged actively in college quizzes and technical events.