Vaibhav Bhardwaj

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Training

GeeksforGeeks – DSA (Self placed)

Summer Training   **May 2024 - June 2024**

- Completed an intensive self-paced training program focused on foundational and advanced programming concepts.
- Gained expertise in C++ programming and core Object-Oriented Programming (OOP) principles.
- Strengthened problem-solving skills by learning key Data Structures such as arrays, linked lists, stacks, queues, trees, and graphs.
- Explored and implemented Dynamic Programming (DP) and Greedy Algorithms to solve real-world optimization problems.
- Enhanced a strong understanding of algorithmic efficiency and coding best practices

Projects

Placement Prediction / *Tech: R, Flexdashboard, dplyr, rpart, e1071*   **Nov 2024 - Dec 2024**

- Designed an R-based dashboard to predict student placement status using Naive Bayes and Decision Tree models.
- Preprocessed data by handling categorical variables and removing irrelevant column.
- Split the dataset into training and testing sets to evaluate model performance.
- Visualized the decision tree structure and displayed model evaluation metrics (confusion matrix, accuracy).
- Added a personalized prediction feature for hypothetical student profiles..

Mobile Phone Market Analysis/ *Tech: Data Visualization*   **Oct 2024 - Nov 2024**

- *Developed an interactive Tableau dashboard to analyze the smartphone market using a dataset of over 3,000 mobile phone models.*
- Conducted in-depth analysis of key factors such as customer ratings, pricing strategies, storage capacities, and brand performance. Used extensively by students for preparation of university exams in COVID times.
- Visualized insights like rating distributions, brand-level pricing trends, storage-price relationships, and color availability using dynamic charts (e.g., bar charts, tree maps, and scatter plots).
- Actionable insights for better decision-making in market trends and preferences.

Certificates

Flutter Development Track   **July 2024**

Cipher Schools — *Certificate Link*:- cipherschools.com/certificate/preview?id=66a76d5ed15c5abc1ea65d51

Data Analysis with Tableau   **Oct 2024**

Coursera — *Certificate Link*:- https://coursera.org/verify/JEO79MOU49C0

Cloud Computing   **Nov 2024**

NPTEL — *Certificate Link*:- https://archive.nptel.ac.in/noc/Ecertificate/?q=NPTEL24CS118S1670202876044328723=

Technical Skills

Languages C++, Java, R-Language,SQL

Tools/Platforms: Tableau, Git, Github

Skills: Data Structures and Algorithms, DBMS, OS, Computer Networks

Education

Lovely Professional University Punjab   **Since 2022**

Computer Science and Engineering — CGPA: 8.01   *Jalandhar, Punjab*

Pradesh Public International School of Sciences,Hamirpur (H.P)   **2019 − 2021**

12th with Science — Percentage: 96%   *Hamirpur (H.P)*

Pradesh Public International School of Sciences,Hamirpur (H.P)   **2018 − 2019**

10th with Science —Percentage: 96%   *Hamirpur (H.P)*