

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, Flex dashboard, 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

DSA Self Placed

July 2024

GeeksforGeeks — Certificate Link:- <https://www.geeksforgeeks.org/certificate/7e8c3ae056fbb13c8271ce68a987804>

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)