

# Hrithik Kumar

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## Training

### Summer Training in Data Structure & Algorithm

June 2024 - July 2024

Self-Paced Course | *GeeksforGeeks*

- Completed an intensive self-paced training program on Data Structures and Algorithms (DSA), strengthening problem-solving skills and algorithmic thinking.
- Mastered fundamental and advanced data structures, including arrays, linked lists, stacks, queues, trees, graphs, and hash tables, to efficiently handle complex computations.
- Learned essential techniques like recursion, backtracking, greedy algorithms, divide & conquer, and dynamic programming.
- Prepared for technical interviews and coding assessments by practicing industry-standard problems and challenges.
- Applied theoretical concepts to practical scenarios through hands-on projects and competitive programming exercises.

## Projects

### Customer Segmentation for Retail patterns | *Machine Learning, Python*

July 2024 - Aug 2024

- Developed a machine learning-based customer segmentation model to categorize retail customers based on purchasing behavior, demographics, and browsing history.
- Engineered key features such as Recency, Frequency, and Monetary (RFM) values, along with Customer Lifetime Value (CLV), to enhance segmentation accuracy.
- Implemented various clustering algorithms, including K-Means, Hierarchical Clustering, and Gaussian Mixed Models (GMM), to identify distinct customer groups and patterns.

### Grocery Shopping Website | *HTML, CSS, JavaScript*

Oct 2022 - Dec 2022

- Developed a Grocery Shopping Website using HTML, CSS, and JavaScript, ensuring a responsive and user-friendly interface.
- Designed an intuitive navigation system for seamless user interactions, including browsing groceries, checking order status, and accessing FAQs.
- Enhanced user engagement by adding search filters, category-based navigation, and real-time price updates for an intuitive shopping experience.

## Certificates

### Programming Fundamental in KOTLIN

Oct 2024

*Coursera*

### Mastering Data Structure & Algorithm Using C and C++

April 2024

*Udemy*

### Prompt Engineering for CHATGPT

Feb 2024

*Coursera*

## Skills

**Languages:** C++, HTML, CSS, MySQL, Python

**Libraries:** Scikit-learn, Numpy, Pandas, Matplotlib, TensorFlow, Pytorch

**Tools:** Power BI, Github, Jupyter Notebook, Google Colab, VS Code, Android Studio

**Coursework:** Data Structures and Algorithms, Natural Language Processing, Machine Learning

**Soft Skills :** Problem – Solving , Adaptability, Team collaboration

## Education

### Lovely Professional University

2022 – 2026

*Computer Science and Engineering — CGPA: 7.96*

*Phagwara, Punjab*

### Lord Buddha Public School

2020 – 2021

*12th with Science — Percentage: 75%*

*Aurangabad, Bihar*

### Lord Buddha Public School

2018 – 2019

*10th with Science — Percentage: 85.2%*

*Aurangabad, Bihar*